

Биологические красители

Технические характеристики

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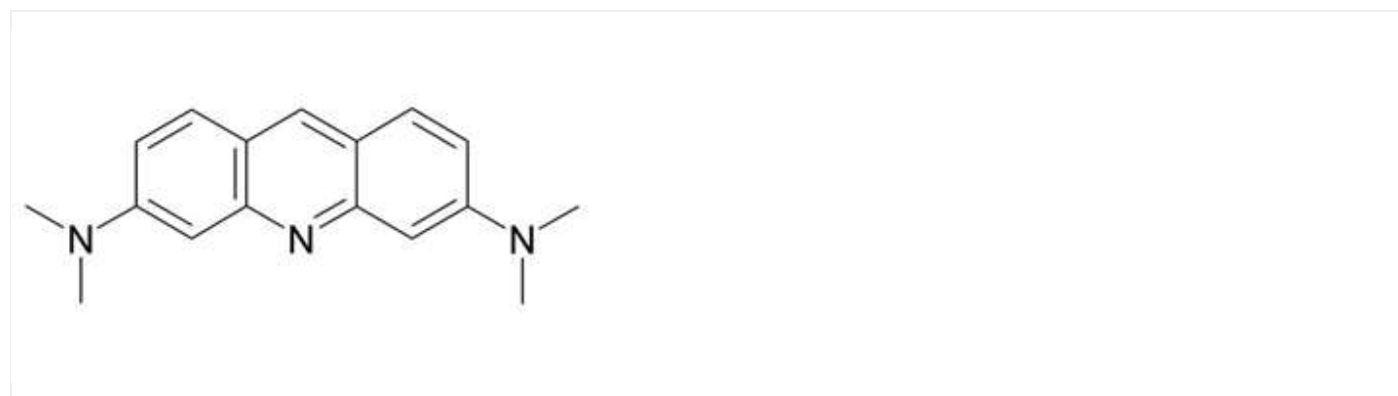
Киргизия +996(312)96-26-47

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ACRIDINE ORANGE FOR MICROSCOPICAL STAINING

C.I.No.46005 Riboneucleic acid stain -Acridine orange (AO) is a nucleic acid selective fluorescent cationic dye useful for cell cycle determination. It is cell-permeable, and interacts with DNA and RNA by intercalation or electrostatic attractions.It is also useful as a non-specific stain for backlighting conventionally stained cells on the surface of a solid sample of tissue (fluorescence backlighted staining) Basic Orange 14, Euchrysine, N,N,N',N'-Tetramethylacridine-3,6-diamine

Product Code.	00054	Grade	
Purity		CAS No.	10127-02-3
Molecular Formula	C ₁₇ H ₂₀ Cl ₃ N ₃ Zn	Molecular Weight	438.09
H.S.Code	3204.13910	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown
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Packaging



Specification

Appearance	Dark brown colored powder
Absorption maxima (50% ethanol)	489 - 493 nm
Absorptivity (A 1%/1cm; at lmax; 50% ethanol)	Min 950
Loss on dryig (at 110°C)	Max 5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

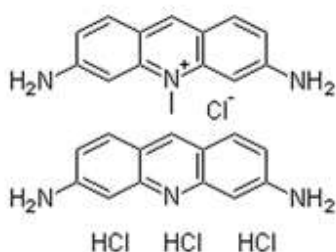
Hazardous Statement: H302-H319

Precaution Statement: P305 + P351 + P338

ACRIFLAVINE, NEUTRAL FOR MOLECULAR BIOLOGY

Conforms to B.P.C-63 C.I.No.46000 Acriflanvine is used for fluorescently labeling of high molecular weight RNA molecules Acriflavine Hydrochloride

Product Code.	00055	Grade	
Purity		CAS No.	8063-24-9
Molecular Formula	C14H14N3Cl	Molecular Weight	259.74
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown	pH value	2
Melting point/ Freezing point [°C]	260 °C				

Packaging



Specification

Appearance	Reddish brown crystalline powder
Assay (on anhydrous basis)	98.5-105% w/w
Solubility	Complies
Identifications	Complies

Insoluble matter in water	Complies
Certain other acridine derivatives	Complies
Water (H ₂ O)	Max. 6.5 % w/w
Sulphated ash	Max.1.0% w/w

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

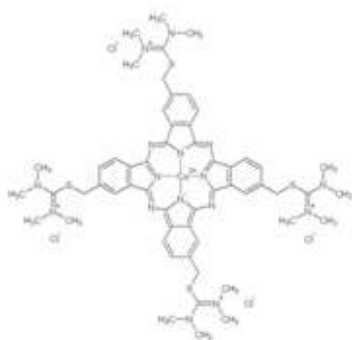
Hazardous Statement: H302-H318-H411

Precaution Statement: P273-P280-P305 + P351 + P338

ALCIAN BLUE 8GX FOR MICROBIOLOGY

C.I.No.74240-Stain for glycoproteins in tissues such as cartilage and extracellular matrices. Alcian Blue, Ingrain Blue 1

Product Code.	00095	Grade	For Microbiology
Purity		CAS No.	33864-99-2
Molecular Formula	C56H68Cl4CuN16S4	Molecular Weight	1298.86
H.S.Code	3204.19790	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Greenish black crystalline	Solubility in water [% weight]	Soluble in water
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Packaging



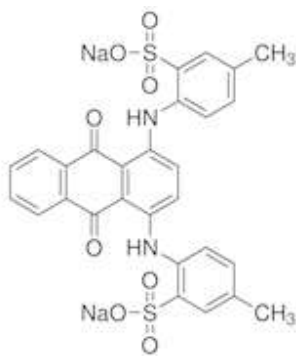
Specification

Appearance	Dark blue to purple powder
Absorption maxima in water	605 - 635 nm
Specific absorptivity A1%/1cm (I _{max} ; 0.005 g/L; water)	Min 190
Loss on drying	Max 20%

ALIZARIN CYANINE GREEN

C.I.No. 61570 Acid Green 25

Product Code.	00099	Grade	
Purity	75% dye content	CAS No.	4403-90-1
Molecular Formula	C ₂₈ H ₂₀ N ₂ Na ₂ O ₈ S ₂	Molecular Weight	622.58
H.S.Code	2914.79900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Bluish green powder	Melting point/ Freezing point [°C]	235 - 238 °C
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	Dark green powder
Melting point	235 - 238°C
Absorption maxima	608 - 642 nm
Dye content	Min 75%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

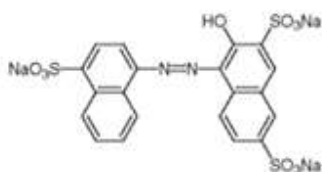
Hazardous Statement: H319

Precaution Statement: P305 + P351 + P338

AMARANTH EXTRA PURE

C.I.No. 16185 It is used as a food dye and to colour cosmetics. Acid Red 27, Azorubin S

Product Code.	00138	Grade	
Purity		CAS No.	915-67-3
Molecular Formula	C ₂₀ H ₁₁ N ₂ Na ₃ O ₁₀ S ₃	Molecular Weight	604.48
H.S.Code	3204.19840	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red	Density [g/cm ³]	1.5
Solubility in water [% weight]	Partially soluble in water				

Packaging



Specification

Appearance	Dark red to brown color powder
Absorption maxima in water	520 - 522 nm
Absorptivity (A 1%/1cm; at lmax)	300 - 500
Loss on dryig (at 110°C)	Max 10%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

ANILINE BLUE SPIRIT SOLUBLE FOR MICROSCOPY

C.I. No 42775 It is a soluble dye used as a biological dye in fluorescence microscopy. Solvent Blue 3 ;Opal Blue; spirit Blue

Product Code.	00267	Grade	For Microscopy
Purity		CAS No.	8004-91-9
Molecular Formula	C32H25N3O9S3Na2	Molecular Weight	737.74
H.S.Code	3204.12510	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black	Odour	Odorless
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Packaging

Specification

Appearance	Reddish-purple to black powder
Absorption maxima in methanol	591-595nm

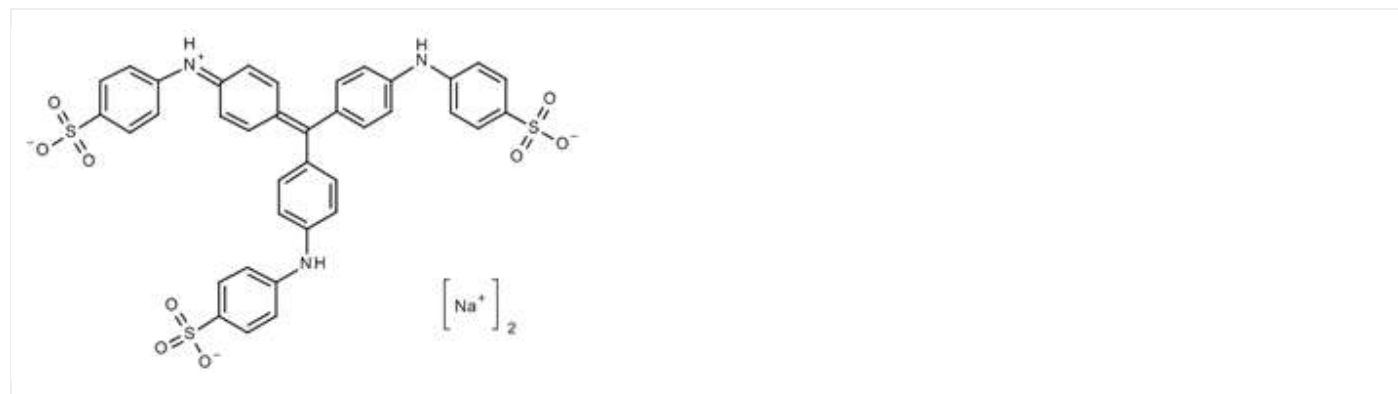
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

ANILINE BLUE WATER SOLUBLE FOR MICROSCOPY

C.I. No.42780 Used with fuchsin acid as Mallory's connective tissue stain visualizes chromosomes and cellulose walls in plant Acid blue 93, Cotton blue, Poirriers blue, Water blue

Product Code.	00268	Grade	For Microscopy
Purity		CAS No.	28983-56-4
Molecular Formula	C37H27N3Na2O9S3	Molecular Weight	799.80
H.S.Code	3204.12510	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	Dark blue to dark brown powder or crystals
Absorption maxima (0.005 M HCl)	595 - 610 nm
Ratio I _{max} .P+/- 15 nm	1.00 - 1.03

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

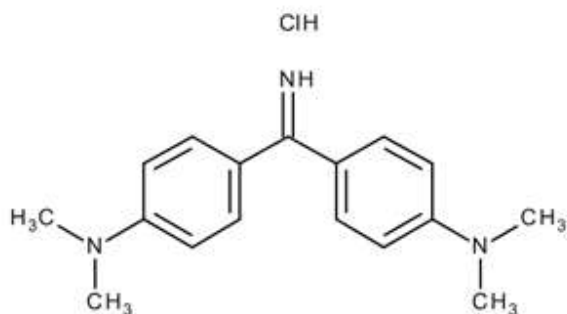
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

AURAMIN FOR MICROSCOPY

C.I. No. 41000 - Use as a fluorescent stain. Forms highly fluorescent complex with horse liver dehydrogenase Auramine O, Basic Yellow 2

Product Code.	00313	Grade	
Purity		CAS No.	2465-27-2
Molecular Formula	C17H22N3Cl	Molecular Weight	303.83
H.S.Code	3204.13210	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	pH value	6.5
Melting point/ Freezing point [°C]	> 250 °C	Solubility in water [% weight]	10 g/l at 20 °C		

Packaging



Specification

Appearance	Yellow coloured powder
Absorption maxima	429 - 433 nm
Absorptivity (A 1%/1cm; at lmax; pH 6.0; on dried substances)	Min 900
Loss on drying (at 105°C)	Max 10%

Suitability (for microscopy)

Passes test

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

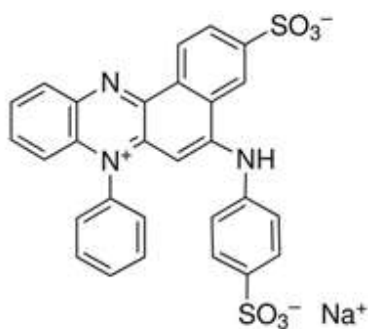
Hazardous Statement: H302-H311-H351

Precaution Statement: P280-P312

AZOCARMINE G FOR HISTOLOGY

C.I.No.50085 - Stain for Malory Heidenhain stain Acid Red 101, Rosinduline

Product Code.	00319	Grade	
Purity		CAS No.	25641-18-3
Molecular Formula	C28H18N3NaO6S2	Molecular Weight	579.58
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown red or purple	Solubility in water [% weight]	Soluble in water
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Packaging



Specification

Appearance	Brown, red or purple powder
Absorption maxima	510 - 523 nm

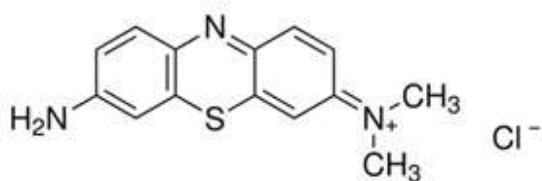
Safety Information and Hazard Symbols

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AZUR A FOR MICROSCOPY

C.I. No. 52005- An important nuclear staining component of polychrome methylene blue. Azure A is used for staining cell granules, microorganisms and tissues. a component of MacNeal tetrachrome blood stain and of Romanowsky-type blood stains Azure A chloride

Product Code.	00321	Grade	For Microscopy
Purity		CAS No.	531-53-3
Molecular Formula	C ₁₄ H ₁₄ ClN ₃ S	Molecular Weight	291.80
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Melting point/ Freezing point [°C]	290 °C
Solubility in water [% weight]	Soluble in water				

Packaging



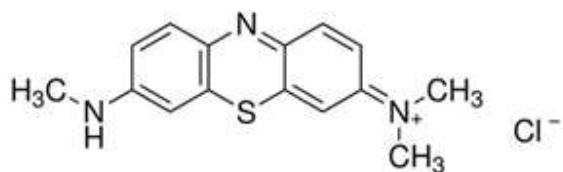
Specification

Appearance	Dark green powder
Absorption maxima (0.003 g/L in water)	625 - 634 nm
Absorptivity (A 1%/1cm; at lmax; in water)	Min 1100
Loss on drying (at 110°C)	Max 8%

AZUR B FOR MICROSCOPY

C.I. No. 52010- It is used for making azure eosin stains for blood smear staining Azur I

Product Code.	00322	Grade	For Microscopy
Purity	80% dye content	CAS No.	531-55-5
Molecular Formula	C ₁₅ H ₁₆ ClN ₃ S	Molecular Weight	305.83
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Melting point/ Freezing point [°C]	205 °C
Solubility in water [% weight]	Soluble in water				

Packaging



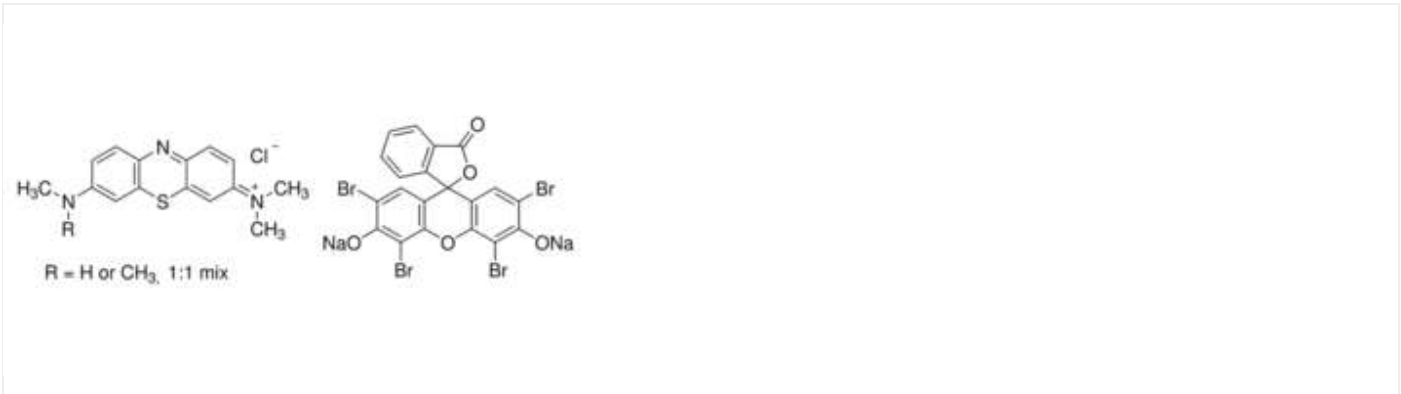
Specification

Appearance	Dark green to Brown Powder
Dye content	Min 80%
Absorption maxima in water	645 - 650 nm
Absorptivity (A 1%/1cm; at lmax; in water; on dried substances)	Min 1600
Loss on drying (at 110°C)	Max 5%

AZUR II EOSINE FOR MICROSCOPY

Chief ingredient of Giemsa Stain. Azure II Eosinate

Product Code.	00324	Grade	
Purity		CAS No.	53092-85-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green to black
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Packaging



Specification

Appearance	Dark green to blackish powder
Absorption maxima in methanol (Imax1)	645-655 nm
Absorption maxima in methanol (Imax2)	520-525 nm
Absorptivity (A 1%/1cm; at Imax; in methanol; on dried substances)	Min 1250
Absorptivity (A 1%/1cm; at Imax; in water)	Min 400
Loss on drying (at 110°C)	Max 10%

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

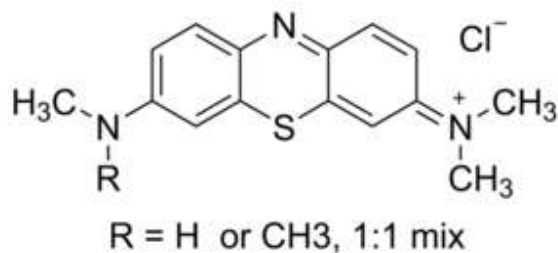
Hazardous Statement: H318

Precaution Statement: P280-P305 + P351 + P338

AZUR II FOR MICROSCOPY

C.I. No. 52010 - For staining of blood and bone marrow smears

Product Code.	00323	Grade	
Purity		CAS No.	37247-10-2
Molecular Formula	C ₁₆ H ₁₈ N ₃ S·C ₁₅ H ₁₆ N ₃ S·2Cl	Molecular Weight	625.68
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Melting point/ Freezing point [°C]	205 °C
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	Dark green powder
Absorption maxima in water	655 - 660 nm
Absoptivity (A _{1m} , in water at absorption maxima, on dried subs.)	Min 1800
Loss on dryig (at 110°C)	Max 12%

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

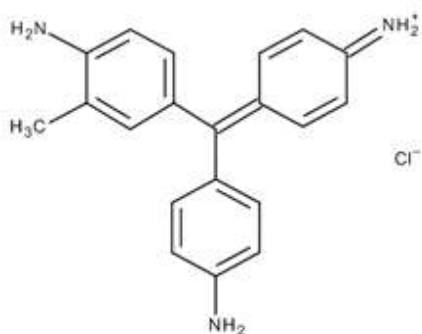
Hazardous Statement: H318

Precaution Statement: P280-P305 + P351 + P338

BASIC FUCHSIN 85% DYE CONTENT FOR MICROSCOPY (M.S.)

C.I.No.42510 It is use for acid-fast staining with carbol-fuchsin, as ENDO medium, and as Schiff's reagent in the Periodic Acid Schiff (PAS) and Feulgen techniques.

Product Code.	00352	Grade	For Microscopy
Purity	85% dye content	CAS No.	632-99-5
Molecular Formula	C ₂₀ H ₂₀ ClN ₃	Molecular Weight	337.85
H.S.Code	3204.13430	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Melting point/ Freezing point [°C]	268 - 270 °C	Density [g/cm ³]	1.22	Solubility in water [% weight]	Soluble in water
Partition coefficient Log Pow octanol / water at 20°C	-0.21				

Packaging



Specification

Appearance	Dark green colored powder
Dye content (by spectrophotometry)	Min. 85.0%
Absorption maxima in 50% Ethanol	545 - 555 nm

Specific absorptivity 1%/1cm (I _{max} ; 0.003 g/L; ethanol 50%)	2290 - 2710
Loss on drying (at 135°C)	Max. 15.0%

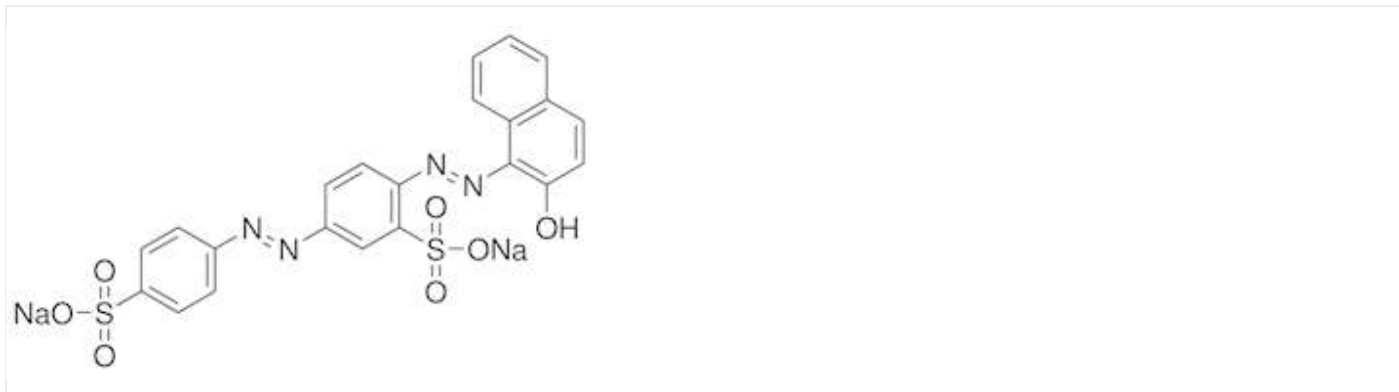
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H302-H351 Precaution Statement: P281

BIEBRICH SCARLET FOR MICROSCOPY

C.I. No 26905 - used in Lillie's trichrome. Acid Red 66

Product Code.	00412	Grade	For Microscopy
Purity	70% dye content	CAS No.	4196-99-0
Molecular Formula	C ₂₂ H ₁₄ N ₄ Na ₂ O ₇ S ₂	Molecular Weight	556.49
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown powder	Solubility in water [% weight]	Appreciable (> 10%)
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Packaging



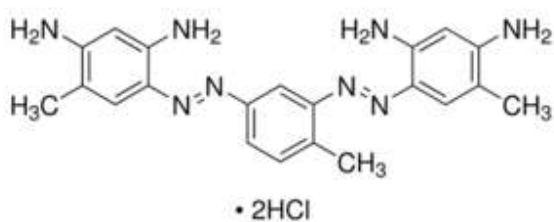
Specification

Appearance	Red to brown powder
Dye content	Min 70%
Absorption maxima in water	506 - 510 nm
Specific absorptivity A1%/1cm (Imax 0.001g/L; water; on dried substance)	530 - 740
Loss on dryig (at 110°C)	Max 15%

BISMARCK BROWN (R) FOR MICROSCOPY

C.I.No.21010-used in a modified Coomassie blue staining procedure.For Staining mucus in goblet cell of the intestine or cartilage in the trachea or in embryonic tissue Basic Brown 4

Product Code.	00421	Grade	
Purity		CAS No.	5421-66-9
Molecular Formula	C21H24N8·2HCl	Molecular Weight	461.39
H.S.Code	3212.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	222 °C	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	Dark brown colored powder
Absorption maxima	About 468 nm

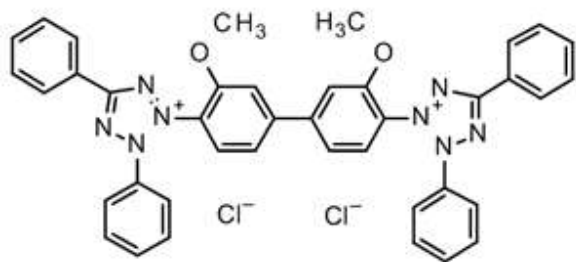
Safety Information and Hazard Symbols

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BLUE TETRAZOLIUM 95% AR

For succinate dehydrogenase activity and NDH linked enzyme systems. Certified for use in assay of corticosteroids in histology redox indicator for enzyme Blue tetrazolium chloride

Product Code.	00445	Grade	AR
Purity	95%	CAS No.	1871-22-3
Molecular Formula	C40H32Cl2N8O2	Molecular Weight	727.66
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Lemon yellow powder	Odour	Odorless
Melting point/ Freezing point [°C]	255 °C	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	Lemon yellow powder
Assay (ex Cl; on anhydrous basis)	Min 95%
Absorption maxima in ethanol	248 - 256 nm
Sulphated ash	Max 0.2%

Safety Information and Hazard Symbols



Symbol: GHS08

Signal Word: Danger

Hazardous Statement: H350

Precaution Statement: P201-P308 + P313

BORAX CARMINE (GRENACHER) FOR MICROSCOPICAL STAINING

For microscopical staining.

Product Code.	00449	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3203.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging



Specification

Appearance	Red powder
Absorption maxima in DMSO	565 - 570 nm

Safety Information and Hazard Symbols

BRILLIANT BLUE FCF (C.I.NO. 42090)

C.I.No.42090 Erioglaucine is a widely used acid aminotriphenylmethane dye of an intense blue colour. Acid Blue 9, Alphazurine FG, FD&C;BLUE No. 1 Erioglaucine A

Product Code.	00472	Grade	
Purity		CAS No.	3844-45-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Violet powder	Melting point/ Freezing point [°C]	283 °C
Density [g/cm3]	0.65	Solubility in water [% weight]	Soluble in water		

Packaging



Specification

Appearance	Violet coloured powder
Transition EMF Volts	+1.00
Absorption maxima	About 628 nm

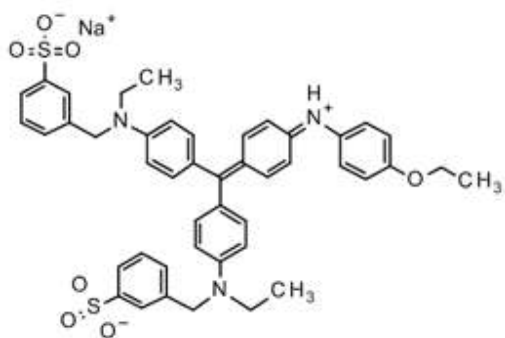
Safety Information and Hazard Symbols

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BRILLIANT BLUE G 250 (FOR MOLECULAR BIOLOGY)

It is used for staining proteins in analytical biochemistry. C.I.No.42655 COOMASIE BRILLIANT BLUE G 250&

Product Code.	00473	Grade	
Purity		CAS No.	6104-58-1
Molecular Formula	C47H48N3NaO7S2	Molecular Weight	854.04
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown powder
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Packaging



Specification

Appearance	Dark blue to dark purple powder
Loss on drying	Max 8%
Identity (UV/VIS spectrum)	Passes test
Absorption maxima (buffer pH 7.0)	577 - 584
Specific absorptivity A 1%/1cm (Imax; 0.01%; buffer pH 7.0 on dried substance))	450 - 570

TLC test	Passes test
Suitability (for electrophoresis)	Passes test

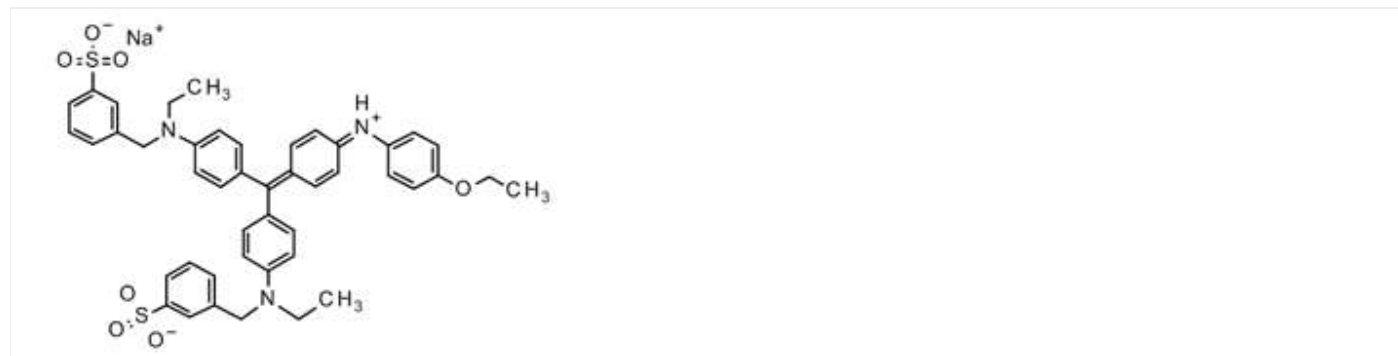
Safety Information and Hazard Symbols

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BRILLIANT BLUE R (FOR MOLECULAR BIOLOGY) (C.I. NO. 42660)

COOMASIE BRILLIANT BLUE R 250 , C.I.No.42660

Product Code.	00474	Grade	
Purity		CAS No.	6104-59-2
Molecular Formula	C ₄₅ H ₄₄ N ₃ NaO ₇ S ₂	Molecular Weight	825.99
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish purple	Vapour density	28.5
Solubility in water [% weight]	Soluble in water				

Packaging



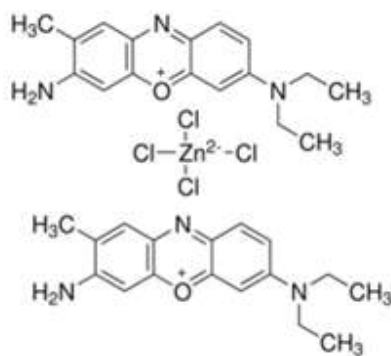
Specification

Appearance	Brownish purple powder
Identity (UV/VIS spectrum)	Passes test
Absorption maxima (buffer pH 7.0)	554 - 563
Specific absorptivity A1%/1cm (Imax; 0.025%; buffer pH 7.0)	Min 300
Loss on drying	Max 5%
Suitability (for electrophoresis)	Passes test

BRILLIANT CRESYL BLUE FOR MICROSCOPY

C.I.No.51010-supravital stain used for counting reticulocyte Brilliant Blue C

Product Code.	00475	Grade	For Microscopy
Purity		CAS No.	81029-05-2
Molecular Formula	2C ₁₇ H ₂₀ ClN ₃ O.ZnCl ₂	Molecular Weight	385.96
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark violet	Odour	Odorless
Melting point/ Freezing point [°C]	233 - 236 °C				

Packaging



Specification

Appearance	Dark violet color powder
Absorption maxima	623 - 628 nm
Specific absorptivity 1%/1cm (Imax; 0.005 g/L; ethanol 50%)	Min 1200
Loss on drying (at 110°C)	Max 10%
Ratio Imax.P+/-15 nm	1.05 - 1.31

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

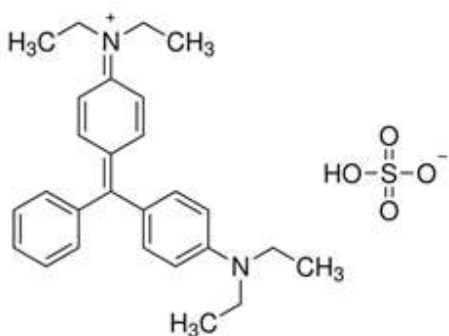
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

BRILLIANT GREEN INDICATOR 95% DYE CONTENT

C.I.No .42040 It is used as a selective bacteriostatic agent in culture media. Astradiamant green GX, Basic Green 1, Diamond Green, Emerald Green, Ethyl Green, Malachite Green G, Solid Green JO

Product Code.	00477	Grade	
Purity	90% dye content	CAS No.	633-03-4
Molecular Formula	C27H34N2O4S	Molecular Weight	482.65
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow green powder	Odour	Odorless
Melting point/ Freezing point [°C]	210 °C	Vapour density	16.6	Solubility in water [% weight]	Moderate (1-10%)

Packaging



Specification

Appearance	Dark green crystalline powder
Dye content	Min 95%
Absorption maxima in 50% ethanol	628 - 632 nm

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

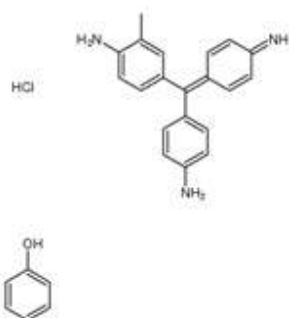
Hazardous Statement: H302-H319

Precaution Statement: P305 + P351 + P338

CARBOL FUCHSIN POWDER FOR MICROSCOPY

For demonstrating acid fast bacteria , component of Ziehl-Neelsen stain Parafuchsin + phenol

Product Code.	00679	Grade	For Microscopy
Purity		CAS No.	4197-24-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00190	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Vapour pressure [20°C]	0.2 mm Hg at 2°C	Vapour density	3.24	Density [g/cm3]	1.1
Solubility in water [% weight]	Very soluble				

Packaging



Specification

Appearance	Dark green to brown powder
Absorption maxima (50% ethanol)	545 - 555 nm
Absorptivity (A 1%/1cm; at lmax; in 50% ethanol)	Min 160

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08

Signal Word: Danger

UN No.: 2923

IMCO Class No.: 8,6.1

Packing Group: II

Hazardous Statement: H302-H314-H332-H341-H350-H373

Precaution Statement: P201-P280-P305 + P351 + P338-P310

CARMINE FOR MICROSCOPY

C.I.No.75470 -Nuclear stain. Suitable for use in Orth's Lithium Carminic technique Alum lake of carminic acid, Cochineal, Nacarat, Natural Red 4

Product Code.	00693	Grade	
Purity		CAS No.	1390-65-4
Molecular Formula		Molecular Weight	0.00
H.S.Code	3203.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Pink to red	Odour	odorless
Density [g/cm3]	> 1.0	Solubility in water [% weight]	Negligible		

Packaging

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Specification

Appearance	Dark red coloured powder
Absorption maxima (lmax1, in DMSO)	563 - 571 nm
Absorption maxima in DMSO (l2)	525 - 533 nm
A1%,1cm, ? 1 max	Min. 70
A1%,1cm, ? 2 max	Min. 100
Ratio ?max. P+/-15 nm (at 528 nm)	1.00 - 1.10
Loss on dryig (at 110°C)	Max. 15%

Safety Information and Hazard Symbols

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CARMINIC ACID 98% AR FOR MICROSCOPY

C.I.No.75470 Used as a red colouring agent. Natural Red 4

Product Code.	00694	Grade	For Microscopy
Purity	98%	CAS No.	1260-17-9
Molecular Formula	C22H20O13	Molecular Weight	492.40
H.S.Code	3203.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red	Odour	Odorless
pH value	4.8 - 6.2	Solubility in water [% weight]	Appreciable (> 10%)		

Specification

Appearance	Dark brownish red powder
Assay (acidimetric; on dried basis)	Min 98.0%
Loss on drying (at 105°C)	Max 7.0%
Suitability (for microscopy)	Passes test
Absorption maxima at pH 3.0	490 - 495 nm
Specific absorptivity 1%/1cm (at I _{max})	Min 130

CARMOISINE A 50% DYE CONTENT EXTRA PURE

C.I.No.14720 It is used a synthetic azo dye. Acid Red 14, Chromotrope FB, Disodium 4-hydroxy-3-[(4-sulfo-1-naphthalenyl)azo]-1-naphthalenesulfonate, Mordant Blue 79

Product Code.	00695	Grade	
Purity	50% dye content	CAS No.	3567-69-9
Molecular Formula	C20H12N2O7S2Na2	Molecular Weight	502.43
H.S.Code	3204.12190	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red brown	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Dark red to brown to black powder
Absorption maxima ?max1 (0.03 g/L in water)	513 - 519 nm
Extinction coefficient at ?max1	Min 14500
Absorption maxima ?max2 (0.03 g/L in water)	320 - 326 nm
Extinction coefficient at ?max2	Min 9000
Absorption maxima ?max3 (0.03 g/L in water)	214 - 220 nm
Extinction coefficient at ?max3	Min 33000

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

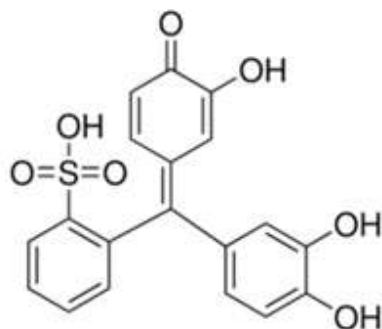
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

CATECHOL VIOLET AR

For the Colorimetric determination of metals. Used in a rapid and sensitive method for tin.
Pyrocatechol Violet; Pyrocatecholsulfonphthalein

Product Code.	00702	Grade	
Purity		CAS No.	115-41-3
Molecular Formula	C19H14O7S	Molecular Weight	386.38
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow to pink	Melting point/ Freezing point [°C]	185 °C
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

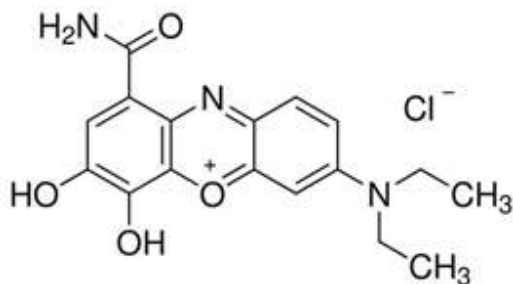
Appearance	Dark green to green metallic or Brown Crystalline powder
Absorption maxima (in methanol)	441 to 449 nm
Specific absorptivity A1%/1 cm (lmax; methanol)	Min 375
Appearance of solution (0.1% aq. solution)	Clear
Suitability (for complexometric determination of metal oxides)	Passes test

Safety Information and Hazard Symbols

CELESTIN BLUE FOR MICROSCOPY

C.I.No.51050 Celestin blue B is used in solution with an iron alum mordant as a hematoxylin substitute in the H&E stain. Mordant Blue 14

Product Code.	00706	Grade	
Purity		CAS No.	1562-90-9
Molecular Formula	C17H18N3O4Cl	Molecular Weight	363.80
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Blue powder	Odour	Odorless
Melting point/ Freezing point [°C]	227 - 230°C				

Packaging

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Specification

Appearance	Blue coloured powder
Absorption maxima	About 654.5 nm

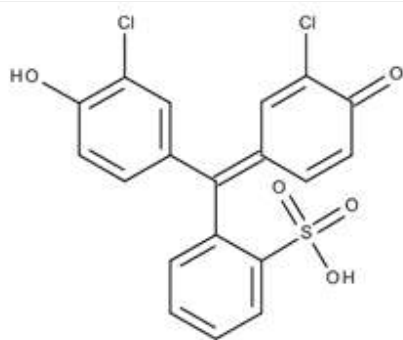
Safety Information and Hazard Symbols

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CHLOROPHENOL RED INDICATOR AR 99%

Chlorophenol red is used for biological research to stain certain kinds of cells. 3',3'-Dichlorophenolsulfonaphthalein ;pH 4.8 - 6.4 Yellow to Purple

Product Code.	00782	Grade	
Purity		CAS No.	4430-20-0
Molecular Formula	C19H12Cl2O5S	Molecular Weight	423.27
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Solubility in water [% weight]	Partially soluble in water
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Specification

Appearance	Green to red-brown to brown powder
pH 4.8 - 6.4	Yellow to purple
Absorption maxima in NaOH 0.1 mol/L	572 - 575 nm
Solubility (0.1% in ethanol)	Clear Solution
Absorptivity (A 1%/1cm; at I _{max})	Min. 1000
Loss on drying	Max. 8.0%

Safety Information and Hazard Symbols

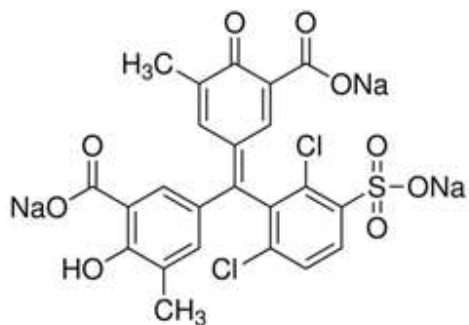


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

CHROME AZUROL S METAL (PM) INDICATOR

C.I.No.43825 Chromazurol S is used for spectrophotometric determination of alumina in iron ores, sinters, and open hearth slags. Mordant Blue 29; Chrome Azurol S ; (Eriochrome Azurol S) (Chrome Azurol S)

Product Code.	00796	Grade	
Purity	50%	CAS No.	1667-99-8
Molecular Formula	C23H13Cl2Na3O9S	Molecular Weight	605.29
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish black powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	A brownish black powder
Absorption maxima (buffer pH 7.0)	424 - 428 nm
Specific absorptivity A1%/1cm (Imax; 0.002%; buffer pH 7.0; calculated on dried substance)	200 - 300
Loss on drying (at 105°C)	Max 10%

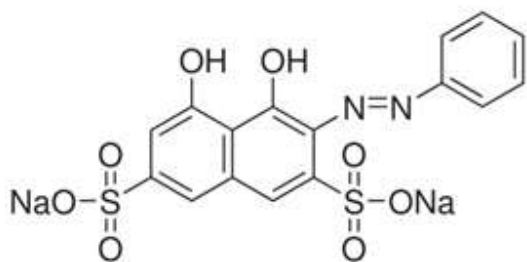
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

CHROMOTROPE 2R 85% FOR MICROSCOPICAL STAINING

C.I.No.16570 Used as a stain for cytology. 2-(Phenylazo)chromotropic acid disodium salt, Acid Red 29

Product Code.	00810	Grade	
Purity	85%	CAS No.	4197-07-3
Molecular Formula	C16H10N2Na2O8S2	Molecular Weight	468.40
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red	Solubility in water [% weight]	Soluble in water
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Packaging

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Specification

Appearance	Brownish red powder
Dye content	Min 85%

Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

CHRYSOIDINE R FOR MICROSCOPY

C.I. No.11320 It is used as a biological stain and as a dye in oils, fats, and waxes for polishes. Basic orange 1

Product Code.	00813	Grade	
Purity		CAS No.	4438-16-8
Molecular Formula	C13H15N4Cl	Molecular Weight	262.74
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brown red	Odour	Odorless
Melting point/ Freezing point [°C]	235 °C				

Packaging

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Specification

Appearance	Brown red powder
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Safety Information and Hazard Symbols

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CHRYSOIDINE Y FOR MICROSCOPY

C.I.No.11270 Chrysoidine Y is used mainly in colouring products to produce bright and deep shades. Basic orange 2

Product Code.	00814	Grade	
Purity		CAS No.	532-82-1
Molecular Formula	C12H13N4Cl	Molecular Weight	248.72
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown red	Odour	Odorless
Melting point/ Freezing point [°C]	235 °C				

Packaging

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Specification

Appearance	Brown red powder
Absorption maxima	~449 nm

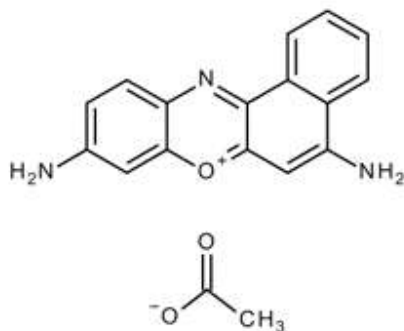
Safety Information and Hazard Symbols

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CRESYL VIOLET (ACETATE) 70% DYE CONTENT FOR MICROSCOPY

Cresyl Violet acetate is used in Nissl staining of brain paraffin and spinal cord section. It is also certified for use to stain mast cell and cartilage granules. 9-Amino-5-imino-5H-benzo[a]phenoxazine acetate salt

Product Code.	00892	Grade	
Purity	70% dye content	CAS No.	10510-54-0
Molecular Formula	C18H15N3O3	Molecular Weight	321.33
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Melting point/ Freezing point [°C]	140 - 143 °C				

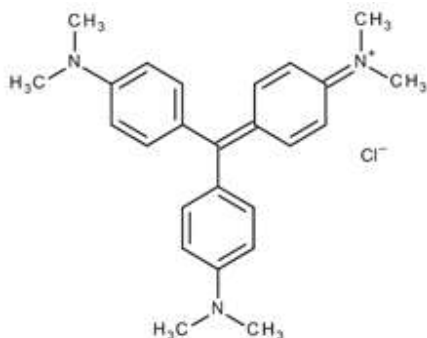
Specification

Appearance	Dark green powder
Dye content (by spectrophotometry)	Min 70.0%
Identity (UV/VIS spectrum)	Passes test
Absorption maxima in 50% ethanol	596 - 599 nm
Specific absorptivity A 1%/1cm (Imax;0.0005%;ethanol 50%)	980 - 1400
TLC test	Passes test
Loss on drying (at 50°C; <1hPa)	Max 25.0%
Suitability (for microscopy)	Passes test

CRYSTAL VIOLET 88% DYE CONTENT FOR MICROSCOPY

C.I.No.42555 Crystal Violet is a component of Gram staining that allows one to recognize the difference between gram-positive and gram-negative bacteria with differential staining. Basic Violet 3, Gentian Violet, Hexamethylpararosanine chloride, Methyl Violet 10B

Product Code.	00899	Grade	For Microscopy
Purity	85% dye content	CAS No.	548-62-9
Molecular Formula	C ₂₅ H ₃₀ ClN ₃	Molecular Weight	407.99
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Slight characteristic odor
Melting point/ Freezing point [°C]	173 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	A dark green colored powder
Absorption maxima	580 - 595 nm
Dye content	Min 88%
Specific absorptivity 1%/1cm (at I _{max})	1800-2450
Loss on drying	Max 10%
Suitability (for microscopy)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

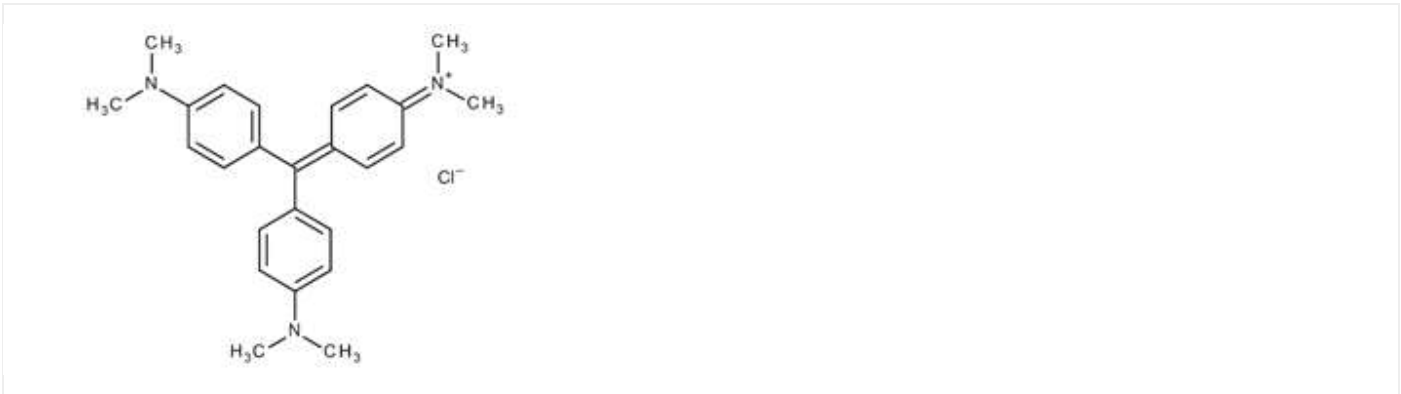
Hazardous Statement: H302-H318-H351-H410

Precaution Statement: P273-P280-P305 + P351 + P338-P501

CRYSTAL VIOLET 96% AR

C.I.No.42555 (Confirms USP Specification) Crystal Violet is a component of Gram staining that allows one to recognize the difference between gram-positive and gram-negative bacteria with differential staining. Basic Violet 3, Gentian Violet, Hexamethylpararosanine chloride, Methyl Violet 10B

Product Code.	00900	Grade	
Purity	85%	CAS No.	548-62-9
Molecular Formula	C25H30ClN3	Molecular Weight	407.99
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Slight characteristic odor
Melting point/ Freezing point [°C]	173 °C	Solubility in water [% weight]	Soluble in water		

Packaging

Specification

Appearance	Dark green powder
Assay	96 – 100.5%
Identification	To pass A, B & C tests
Water (H2O)	Max 7.5%
Residue on ignition	Max 1.5%
Alcohol insoluble matter	Max 1%

Arsenic (As)	Max 0.001%
Lead (Pb)	Max 0.003%
Zinc (Zn)	Passes test
Chromatographic purity (by HPLC)	Passes test
Sensitivity as an indicator	Passes test
UV absorbance Ratio	0.98 - 1.90

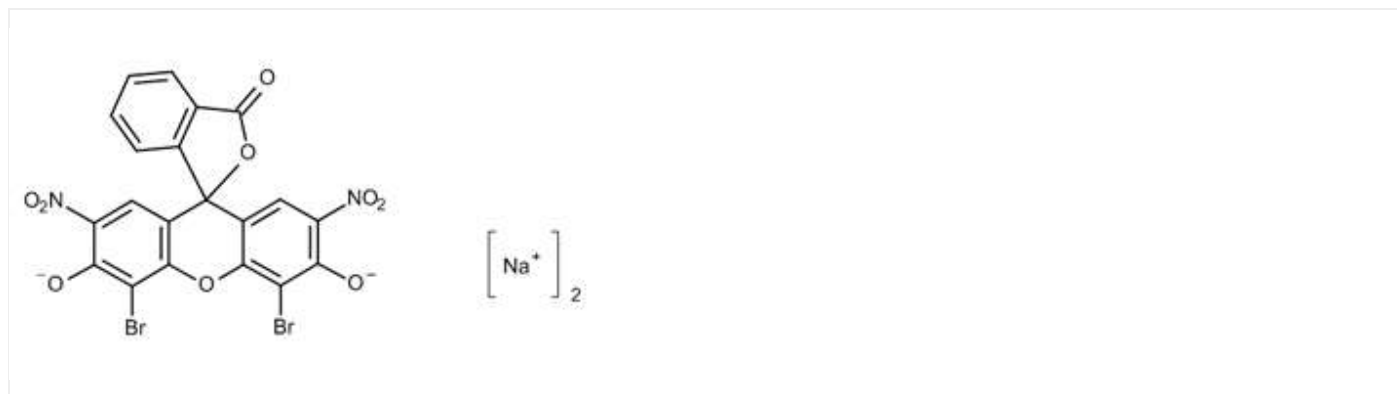
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H318-H351-H410 Precaution Statement: P273-P280-P305 + P351 + P338-P501

EOSIN BLUE 85% DYE CONTENT FOR MICROSCOPY

C.I.No.45400 It is used for plasma staining, vital staining & staining Negri bodies in nerve tissue preparation. Eosin Methylene Blue,

Product Code.	01114	Grade	
Purity	85% dye content	CAS No.	548-24-3
Molecular Formula	C20H6Br2N2Na2O9	Molecular Weight	624.09
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder
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Specification

Appearance	Brown to dark green powder
Dye content	Min 85%
Absorptivity (A 1%/1cm; at λ_{max} ; in water)	Min 800
Solubility (0.1% in water)	Clear solution
Absorption maxima in water	517 - 520 nm
Loss on dryig (at 110°C)	Max 8%
Suitability (for microscopy)	Passes test

EOSIN SPIRIT SOLUBLE

C.I.No.45386 It is used for staining cells, gelatin, lysosomes, mammalian tissues, mitochondria, proteins, urine, etc. Ethyl Eosin, 2',4',5',7'-Tetrabromoeosin ethyl ester potassium salt, Eosin alcohol soluble, Solvent Red 45

Product Code.	01116	Grade	
Purity		CAS No.	6359-05-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Melting point/ Freezing point [°C]	275 °C
Solubility in water [% weight]	Freely soluble				

Packaging

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Specification

Appearance	Red brown to dark brown powder
Absorption maxima	523 +/-3 nm

Safety Information and Hazard Symbols

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EOSIN YELLOW 90% DYE CONTENT FOR MICROSCOPY (WATER SOLUBLE)
C.I.No.45380 It can be used to stain cytoplasm, collagen and muscle fibers for examination under the microscope. Eosin Y

Product Code.	01117	Grade	For Microscopy
Purity	90% dye content	CAS No.	17372-87-1
Molecular Formula	C20H6Br4Na2O5	Molecular Weight	691.88
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red	Density [g/cm3]	1.018 g/cm3
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Packaging

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Specification

Appearance	Brownish red fine powder
Absorption maxima	515 - 518 nm
Dye content (by spectrophotometry)	Min 90%
Solubility (0.1% in water)	Clear solution
Absorptivity (A 1%/1cm; at lmax; in water)	1200 - 1400
Loss on dryig (at 110°C)	Max 8%
Copper (Cu)	Max 0.005%
Iron (Fe)	Max 0.005%

Nickel (Ni)	Max 0.005%
Lead (Pb)	Max 0.005%
Suitability (for microscopy)	Passes test

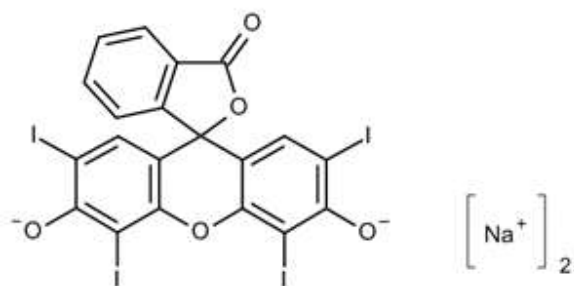
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H319 Precaution Statement: P305 + P351 + P338

ERYTHROSINE B 80% FOR MICROSCOPY

C.I.No.45430 It is used as a food colouring, in printing inks, as a biological stain, a dental plaque disclosing agent and a radiopaque medium. Red No. 3, Solvent Red 140, Acid Red 51, FD&C #3 C.I. Food Red 14; 3',6'-Dihydroxy-2',4',5',7'-tetraiodospiro[isobenzofuran-1(3H),9'-(9H)xanthen]-3-one disodium salt

Product Code.	01126	Grade	For Microscopy
Purity	80%	CAS No.	16423-68-0
Molecular Formula	C ₂₀ H ₆ I ₄ Na ₂ O ₅	Molecular Weight	879.84
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red	Melting point/ Freezing point [°C]	303 °C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Dark red coloured powder
Dye content	Min 80.0%
Absorption maxima	524 - 527 nm
Spec. Absorptivity A 1%/1cm (?max; 0.005?g/l; water)	930-1170
Loss on dryig (at 110°C)	Max 10.0%

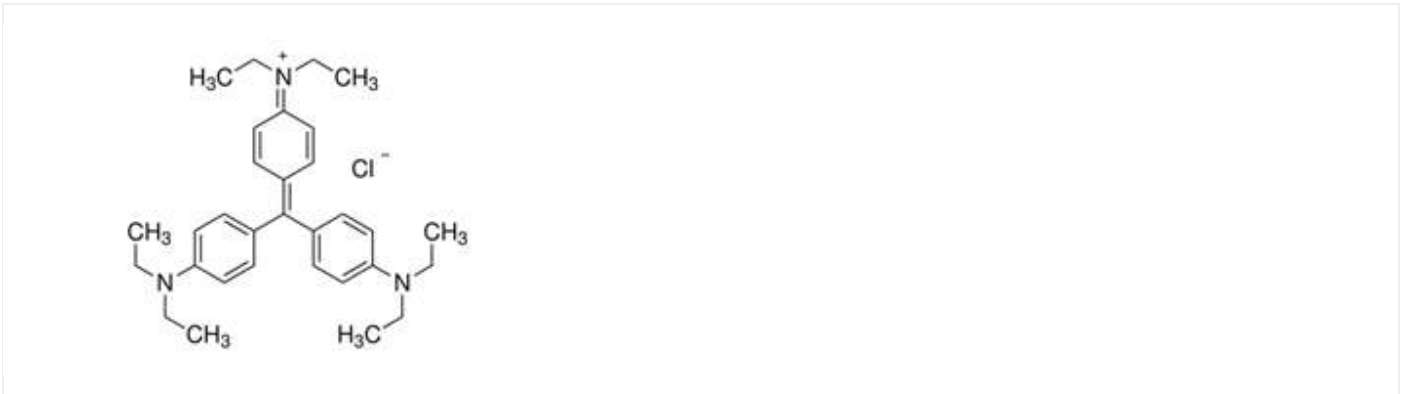
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H413

ETHYL VIOLET FOR MICROSCOPY

It is used as a general histological & pathological stain. C.I.No.42600 Basic violet 4, Ethyl purple 6B

Product Code.	01195	Grade	
Purity		CAS No.	2390-59-2
Molecular Formula	C31H42N3Cl	Molecular Weight	492.20
H.S.Code	3204.13410	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
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Packaging

Specification

Appearance	Dark green coloured powder
Absorption maxima	594 - 597 nm
Absorptivity (A 1%/1cm; at lmax)	Min 1600
Solubility (10 mg/mL in water)	Very deep purple

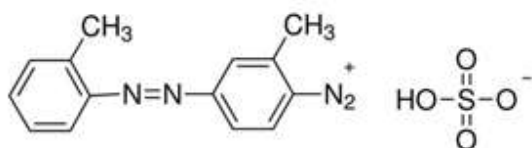
Safety Information and Hazard Symbols

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FAST GARNET GBC SALT 75% DYE CONTENT EXTRAPURE

C.I.No.37210 It is used as a diazo dye. 2-Methyl-4-([2-methylphenyl]azo)benzenediazonium salt, 4-Amino-2',3-dimethylazobenzene diazotated, Azoic Diazo No. 4

Product Code.	01201	Grade	
Purity	75% dye content	CAS No.	101-89-3
Molecular Formula	C14H14N4O4S	Molecular Weight	334.36
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red brown	Solubility in water [% weight]	7.64 mg/L @ 25°C
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Specification

Appearance	Orange to brown powder
Absorption maxima	360 nm
Dye content	Min 75%

Safety Information and Hazard Symbols



Symbol: GHS08

Signal Word: Danger

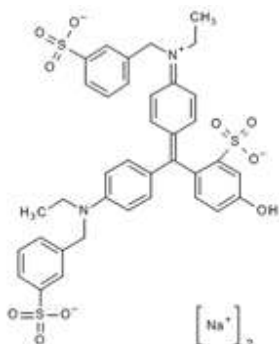
Hazardous Statement: H350

Precaution Statement: P201-P308 + P313

FAST GREEN FCF FOR MICROSCOPY

C.I.No.42053 Animal histology stain for visualizing Collagen & other connective tissue, cytological counterstain for plant tissues. Food green 3,FD&C Green No. 3, Green 1724, Solid Green FCF

Product Code.	01202	Grade	
Purity		CAS No.	2353-45-9
Molecular Formula	C37H34N2Na2O10S3	Molecular Weight	808.86
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown	Odour	Odorless
Melting point/ Freezing point [°C]	290 °C	Decomposition point [°C]	290 °C	Solubility in water [% weight]	Soluble in water

Specification

Appearance	Dark green -violet or red to red-brown color powder
Absorption maxima	622 - 626 nm
Absorptivity (A 1%/1cm; at lmax)	Min 110
Ratio lmax.P+/-15 nm	0.98 - 1.20
Loss on dryig (at 110°C)	Max 10%

Safety Information and Hazard Symbols



Symbol: GHS08
Signal Word: Warning
Hazardous Statement: H341
Precaution Statement: P281

FIELD STAIN A FOR MICROSCOPY

It is used for staining thin blood films in order to detect malarial parasites.

Product Code.	01228	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.19290	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark blue powder	Odour	Odorless
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Packaging

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Specification

Appearance	Dark green to dark blue crystalline powder
Absorption maxima	About 650 nm

Safety Information and Hazard Symbols

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FIELD STAIN B FOR MICROSCOPY

It is used for staining thin blood films in order to detect malarial parasites.

Product Code.	01230	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.19290	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Pinkish red powder	Odour	Odorless
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Packaging

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Specification

Appearance	Pinkish red powder
Absorption maxima	About 518 nm

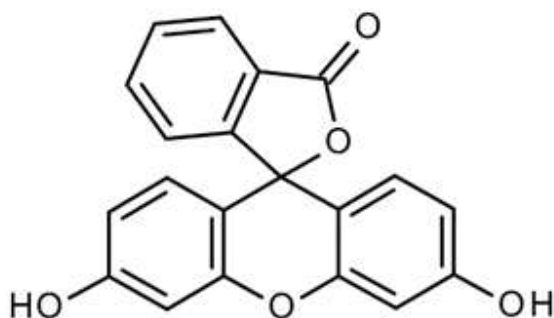
Safety Information and Hazard Symbols

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FLUORESCEIN 95%

C.I.No.45350 Fluorescein is a fluorophore commonly used in microscopy, in a type of dye laser as the gain medium, in forensics and serology to detect latent blood stains, and in dye tracing. resorcinolphthalein, C.I. 45350, solvent yellow 94, D & C yellow no. 7, angiofluor, Japan yellow 201, soap yellow

Product Code.	01235	Grade	
Purity	95%	CAS No.	2321-07-5
Molecular Formula	C ₂₀ H ₁₂ O ₅	Molecular Weight	332.31
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange red powder	Odour	Odorless
Melting point/ Freezing point [°C]	320 °C				

Packaging

Specification

Appearance	Orange red brown or maroon powder
Assay (by HPLC)	Min 95%
Solubility (in 1N NaOH)	50 mg/ml
Molar absorptivity E(490+/-2nm)	Min 70000
Molar absorptivity E(284+/-2nm)	Min 12000
Molar absorptivity E(238+/-2nm)	Min 39000

Loss on drying (at 105°C)

Max 5.0%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

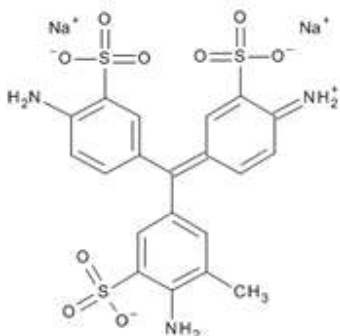
Hazardous Statement: H319

Precaution Statement: P305 + P351 + P338

FUCHSIN ACID FOR MICROSCOPY

C.I.No.42685 It is is used in Van Gieson connective tissue stain & mallory aniline blue connective tissue stain, Zeihl-Neelsens staining & nuclear staining. Acid Violet 19, Fuchsin S, Fuchsin acid, Rubine S

Product Code.	01259	Grade	
Purity		CAS No.	3244-88-0
Molecular Formula	C20H17N3Na2O9S3	Molecular Weight	585.55
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Solubility in water [% weight]	Appreciable (> 10%)				

Packaging

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Specification

Appearance	Dark green powder/Olive green crystals with bronze metallic luster
Absorption maxima (0.005 mol/L in HCl)	540 - 545 nm
Absorptivity (A 1%/1cm; at lmax)	Min 800
Ratio lmax.P+/-15 nm	1.10 - 1.26
Loss on dryig (at 135°C)	Max 10%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

GIEMSA'S STAIN FOR MICROSCOPY

For Staining blood smears and protozoa. Suitable for use in staining leucocytes in blood films and for staining malarial parasites in thin and thick films of blood. Azure mixture sicc. Giemsa stain

Product Code.	01276	Grade	For Microscopy
Purity		CAS No.	51811-82-6
Molecular Formula	C14H14ClN3S	Molecular Weight	291.80
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	300°C				

Packaging

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Specification

Appearance	Dark green colored powder
Absorption maxima in methanol (lmax1)	647-653 nm
Absorption maxima in methanol (lmax2)	520-526 nm
Absorptivity (A 1%/1cm; at lmax2)	Min 800.0
Absorptivity (A 1%/1cm; at lmax2)	Min 350.0
Loss on drying (at 105°C)	Max 10%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H318 Precaution Statement: P280-P305 + P351 + P338

GRAM'S IODINE FOR MICROSCOPOICAL STAINING

It is used in Gram's staining where it binds to crystal violet and traps it in the cell.

Product Code.	01302	Grade	
Purity		CAS No.	12298-68-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	3822.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown powder	Odour	Odorless
Density [g/cm3]	1.007 g/mL at 20 °C				

Packaging



Specification

Appearance	Reddish brown crystalline powder
Iodine content	About 33.0%

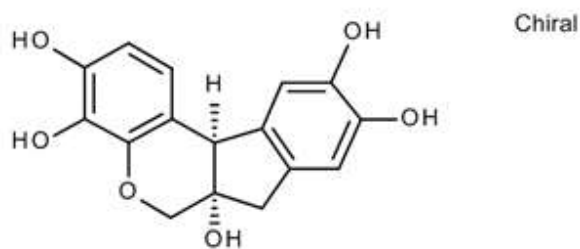
Safety Information and Hazard Symbols

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HEMATOXYLIN STAIN FOR MICROSCOPY (80% DYE CONTENT)

C.I.No.75290 It is a general tissue stain for animal histology by Weigerts Mayeer's acid hemalum Heidenhain's & Haris technique on paraffin sections. Natural Black 1, Hydroxybrazilin; Hydroxybrazilin

Product Code.	01323	Grade	For Microscopical Staining
Purity	80%	CAS No.	517-28-2
Molecular Formula	C16H14O6	Molecular Weight	302.30
H.S.Code	3203.00900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish brown	Odour	Odorless
Melting point/ Freezing point [°C]	200 °C				

Specification

Appearance	Pale beige to brown powder
Dye content (UV-Vis) (on dry basis)	Min 80%
Absorption maxima in acetonitrile	290 - 292 nm
Identity (IR)	Passes test
Loss on drying (1 g, 105°C, 3 hrs)	Max 10.0%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

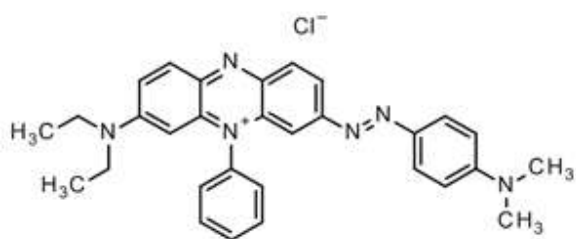
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

JANUS GREEN B 65% FOR MICROSCOPY

C.I.No.11050 It is mixed with Neutral red for the supravital staining of blood cells. Diazin Green S, Union Green B

Product Code.	01483	Grade	
Purity	65%	CAS No.	2869-83-2
Molecular Formula	C30H31ClN6	Molecular Weight	511.07
H.S.Code	3204.13990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Greenish black powder	Solubility in water [% weight]	Soluble in water
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Packaging

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Specification

Appearance	Greenish black or black powder
Infrared spectrum	Conforms to Structure
Absorption maxima (0.1% in 50% ethanol) I1	651 - 677 nm
Extinction Coefficient (at I1)	Min 28000
Absorption maxima (0.1% in 50% ethanol) I2	397 - 403 nm
Extinction Coefficient (at I2)	Min 10000
Dye content	Min 65%

JENNER'S STAIN FOR MICROSCOPY

It is used in microscopy for staining blood smears. Eosin-Methylene Blue

Product Code.	02904	Grade	
Purity		CAS No.	62851-42-7
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.13990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Green powder
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Packaging

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Specification

Appearance	Black, very dark brown or very dark Green powder
Absorption maxima (Imax1)	522 nm
Absorption maxima (Imax2)	651 nm

Safety Information and Hazard Symbols

LEISHMAN'S STAIN FOR MICROSCOPY (EOSIN-METHYLENE BLUE COMPOUND)

It is used to differentiate and identify leucocytes, malaria parasites, and trypanosomas. Eosin methylene blue compound

Product Code.	1536A	Grade	For Microscopy
Purity		CAS No.	12627-53-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder
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Packaging

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Specification

Appearance	A Dark green powder
Absorption maxima in methanol (lmax1)	640 - 645 nm
Absorption maxima in methanol (lmax2)	522 - 525 nm
Absorptivity (A 1%/1cm; at lmax1; in methanol; on dried substances)	Min 900
Absorptivity (A 1%/1cm; at lmax2; in methanol; on dried substances)	Min 650
Loss on dryig (at 110°C)	Max 8%
Suitability (for microscopy)	Passes test

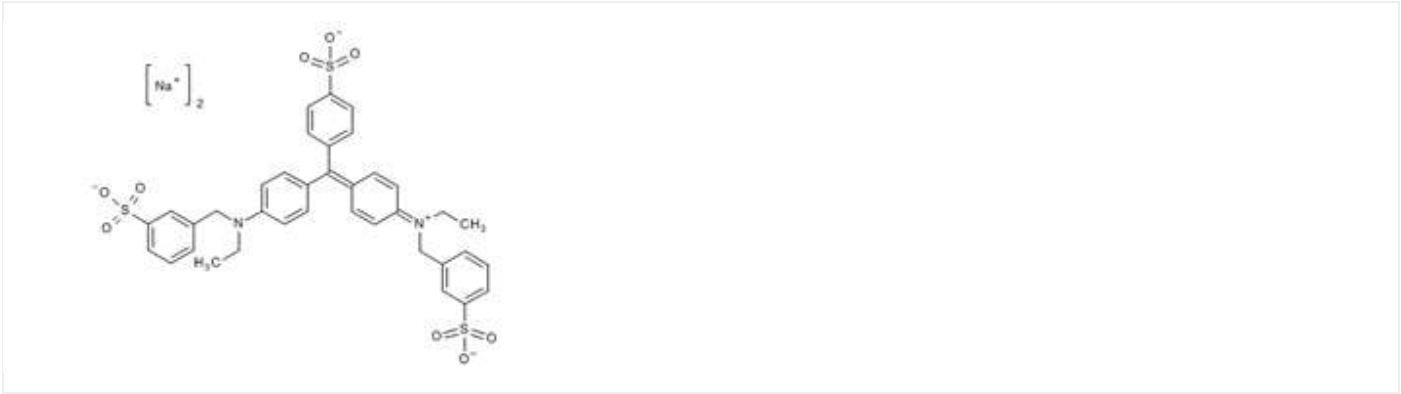
Safety Information and Hazard Symbols

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LIGHT GREEN 65% FOR MICROSCOPY

C.I.No.42095 Used as a cytological counterstain and as a substitute for aniline blue in Gomori's one-step trichrome procedure. Light green SF yellowish

Product Code.	01540	Grade	For Microscopy
Purity	65%	CAS No.	5141-20-8
Molecular Formula	C37H34N2Na2O9S3	Molecular Weight	792.86
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark violet powder	Melting point/ Freezing point [°C]	288 °C
Solubility in water [% weight]	Appreciable (> 10%)				

Packaging

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Specification

Appearance	Dark red to purple powder
Dye content	Min 65.0%
Solubility (turbidity) 1 mg/mL in water	Clear
Absorbance (A) 1% aq. solution in a 1cm cell v/s H2O at 634 nm	Min 600
Loss on dryig (at 110°C)	Max 12.0%

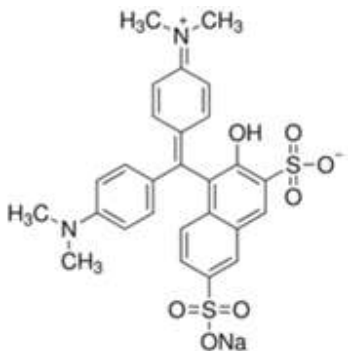
Safety Information and Hazard Symbols

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LISSAMINE GREEN

C.I.No.44090 It is used in dry eye assessment, examination of prospective CL wearers (particularly with skin conditions), symptomatic CL wearers, further investigation of any patient with FL staining and in refractive surgery preoperative assessments. Acid Green 50, Wool Green S

Product Code.	01543	Grade	
Purity	60%	CAS No.	3087-16-9
Molecular Formula	C27H25N2NaO7S2	Molecular Weight	576.62
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder
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Specification

Appearance	Dark green powder
Absorption maxima in water	634 - 637 nm
Absorptivity (A 1%/1cm; at lmax)	Min 1200
Ratio lmax.P+/-15 nm	0.95 - 1.10
Loss on dryig (at 110°C)	Max 5%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

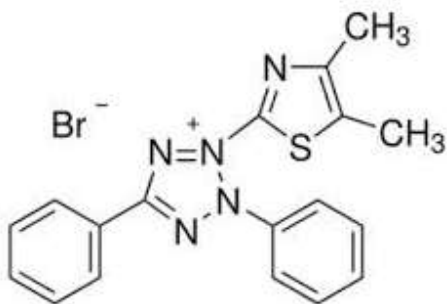
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

M.T.T. TETRAZOLIUM AR (THIAZOLYL BLUE)

It is used in method for determination of lactic & succinic dehydrogenase with phenazine methosulphate C Thiazole Blue. Thiazolyl blue tetrazolium bromide

Product Code.	01772	Grade	AR
Purity	99%	CAS No.	298-93-1
Molecular Formula	C ₁₈ H ₁₆ BrN ₅ S	Molecular Weight	414.33
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish yellow powder	Odour	Odorless
Melting point/ Freezing point [°C]	195 °C				

Specification

Appearance	Yellow to brownish-yellow powder
Solubility (50 mg/mL in methanol)	Clear
Specific absorptivity A1%/1cm (at 242 nm; 0.001% in methanol)	480 - 530

Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H315-H319-H335-H341 Precaution Statement: P261-P281-P305 + P351 + P338

MALACHITE GREEN FOR MICROSCOPY

C.I.No.42000 It is used for staining host tissue in plants infected with fungi staining bacterial spores with safranin as counterstain as spot test reagent to detecting Sulphurous acid & Cerium. Aniline green; Basic green 4; Diamond green B; Victoria green B; Malachite green oxalate; Fast green

Product Code.	01610	Grade	For Microscopy
Purity		CAS No.	2437-29-8
Molecular Formula	C52H54N4O12	Molecular Weight	927.02
H.S.Code	3204.13610	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Green crystalline powder	Odour	Odorless
Melting point/ Freezing point [°C]	164°C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Green crystalline powder/ Dark green crystals with metallic luster
Absorption maxima	616 - 620 nm
Absorptivity (A 1%/1cm; at lmax)	Min 1450
Ratio lmax.P+/-15 nm	1.00 - 1.15
Loss on dryig (at 110°C)	Max 7%

Safety Information and Hazard Symbols

Symbol: GHS05, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H302-H318-H361d-H410 Precaution Statement: P273-P280-P305 + P351 + P338-P501

MALACHITE GREEN OXALATE, PURE HIGH PURITY BIOLOGICAL STAIN

Product Code.	1610A	Grade	
Purity		CAS No.	2437-29-8
Molecular Formula	C52H54N4O12	Molecular Weight	927.02
H.S.Code	3204.13610	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Green crystalline powder	Odour	Odorless
Melting point/ Freezing point [°C]	164°C	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance (Color)	Green
Appearance (Form)	Crystalline powder or crystals
Infrared spectrum	Conforms
Loss on drying	=<10 % (105°C)
UV Lambda max	620 to 625 nm (in 50:50 IMS:water)
Absorption Ratio P-15/P+15	0.9 to 1.15
Specific absorbance A (1%/1cm)	1650 to 1950 (at lambda max.)

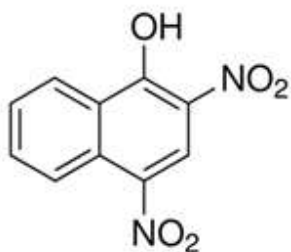
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: II Hazardous Statement: H302-H318-H361d-H410 Precaution Statement: P273-P280-P305 + P351 + P338-P501

MARTIUS YELLOW 96% FOR MICROSCOPY

C.I.No.10315, Used as a counter stain for staining pollen tubes in the style & counterstain for alum hematoxylin 2,4-Dinitro-1-Naphthol

Product Code.	01638	Grade	
Purity	85%	CAS No.	605-69-6
Molecular Formula	C10H6N2O5	Molecular Weight	234.17
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light brown	Odour	Odorless
Melting point/ Freezing point [°C]	130 - 133 °C				

Specification

Appearance	Orange or gold powder
Assay	Min 85%
Absorption maxima	431 - 440 nm

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

MAY & GRUNWALD'S STAIN FOR MICROSCOPY

Used in the differential staining of cellular elements of blood

Product Code.	01640	Grade	For Microscopy
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Alcohol odor
Flash point [°C]	11 °C	Density [g/cm3]	0.79	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	A Dark green powder
Loss on drying (at 105°C)	Max 10%
Absorption maxima in Methanol (Imax1)	648 - 653 nm
Absorption maxima in Methanol (Imax2)	520 - 525 nm
Specific absorptivity 1%/1cm (at Imax1)	1100 - 1300
Specific absorptivity 1%/1cm (at Imax2)	600 - 800

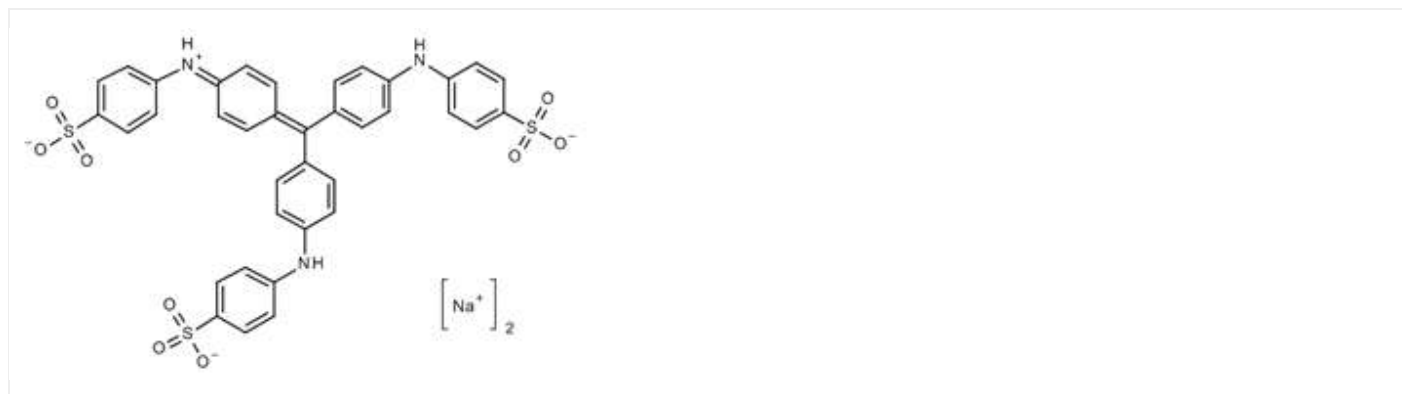
Safety Information and Hazard Symbols

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METHYL BLUE FOR MICROSCOPY

C.I.No.42780 It is used as a stain in histology, and stains collagen blue in tissue sections. Cotton blue, Helvetia blue, Acid blue 93

Product Code.	01714	Grade	
Purity		CAS No.	28983-56-4
Molecular Formula	C37H27N3O9S3Na2	Molecular Weight	799.81
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Bluish black powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Dark blue to dark brown powder or crystals
Absorption maxima in 0.005M HCl	595 - 605 nm
Specific absorptivity in 0.005M HCl	675 - 1125
Loss on dryig (at 110°C)	Max. 7.0%
Suitability (for microscopy)	Passes test

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302-H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

METHYL GREEN ZINC CHLORIDE DOUBLE SALT

C.I.No.42590 It is used as counterstain in Altamann's technique for mitochondria in Kumics Methylgreen-Pyronin. Stain for nuclei & cytoplasmic granules of liver cells. BASIC BLUE 20, 4-[[4-(Dimethylamino)phenyl][4-(dimethyliminio)cyclohexa-2,5-dien-1-ylidene]methyl]-N,N,N-trimethylanilinium dichloride

Product Code.	01729	Grade	
Purity	65% dye content	CAS No.	7114-03-6
Molecular Formula	C27H35Cl2N3.ZnCl2	Molecular Weight	608.78
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Orange yellow crystalline	Melting point/ Freezing point [°C]	> 300 °C
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Dark green to red brown powder
Absorption maxima in water	630 - 635 nm
Absorptivity (A 1%/1cm; at lmax; in water)	Min 400
Ratio lmax.P+/-15 nm	0.86 -1.11
Loss on dryig (at 135°C)	Max 10%

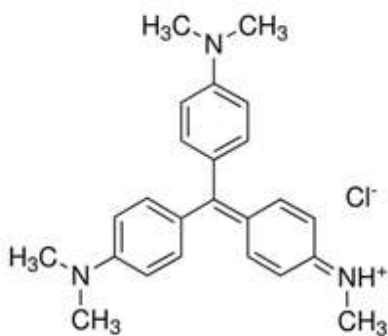
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

METHYL VIOLET FOR MICROSCOPY

C.I.No.42535 It is used for staining of the internal limiting membrane of the eye. Gentian Violet B, Methyl violet 2B

Product Code.	01749	Grade	
Purity	75%	CAS No.	8004-87-3
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.13410	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green crystalline	Melting point/ Freezing point [°C]	137 °C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Dark green crystalline powder
Absorption maxima in ethanol	583 - 587 nm
Absorptivity (A 1%/1cm; at lmax)	Min 1600
Ratio lmax.P+/-15 nm	1.060 - 1.190
Loss on dryig (at 110°C)	Max 10%

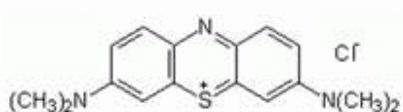
Safety Information and Hazard Symbols

Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H400 Precaution Statement: P273

METHYLENE BLUE 82% FOR MICROSCOPY

C.I.No.52015 Methylene blue is used as a dye for a number of different staining procedures, such as Wright's stain and Jenner's stain. 3,7-bis(Dimethylamino)-phenothiazin-5-ium chloride, Basic Blue 9, Tetramethylthionine chloride

Product Code.	01720	Grade	
Purity	82%	CAS No.	61-73-4
Molecular Formula	C ₁₆ H ₁₈ ClN ₃ SxH ₂ O	Molecular Weight	319.86
H.S.Code	3204.13510	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Melting point/ Freezing point [°C]	190 °C	Vapour density	13	Solubility in water [% weight]	Soluble in water

Specification

Appearance	A dark green colored powder
Dye content	About 82%
Absorption maxima in 50% ethanol	660 - 665 nm
Specific absorptivity A1%/1 cm (Imax; 0.003 g/L; ethanol)	2250-2750
Loss on dryig (at 110°C; 1 hr)	10 - 15%

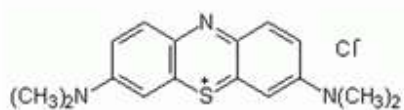
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

METHYLENE BLUE 95% AR

C.I.No.52015 Confirming to Pharma Grade 3,7-bis(Dimethylamino)-phenothiazin-5-ium chloride, Basic Blue 9, Tetramethylthionine chloride

Product Code.	01721	Grade	
Purity	95%	CAS No.	61-73-4
Molecular Formula	C16H18ClN3SxH2O	Molecular Weight	319.86
H.S.Code	3204.13510	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Melting point/ Freezing point [°C]	190 °C	Vapour density	13	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	Dark blue, crystalline powder with a copper-coloured sheen, or green crystals with a bronze-coloured sheen
Assay	95.0 - 101.0%
Identity	Passes test
Solubility	Passes test
Methanol insoluble substances	Max. 1.0%
Related Substances	Passes test
Iron (Fe)	Max. 0.02%

Lead (Pb)	Max. 0.001%
Zinc (Zn)	Max. 0.01%
Sulphated ash (at 600°C)	Max. 1.0%
Loss on drying (at 105°C)	8.0 - 22.0%

Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

METHYLENE BLUE POLYCHROME FOR MICROSCOPY

It is used for staining rapid frozen sections.

Product Code.	01725	Grade	
Purity		CAS No.	NA
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.13510	Shelf Life	36 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Blue coloured solution	Odour	Odorless
Flash point [°C]	29 °C	Density [g/cm3]	1	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	Green powder/Bronze crystalline powder
Absorption maxima	About 663 nm
Suitability (for microscopy)	Passes test

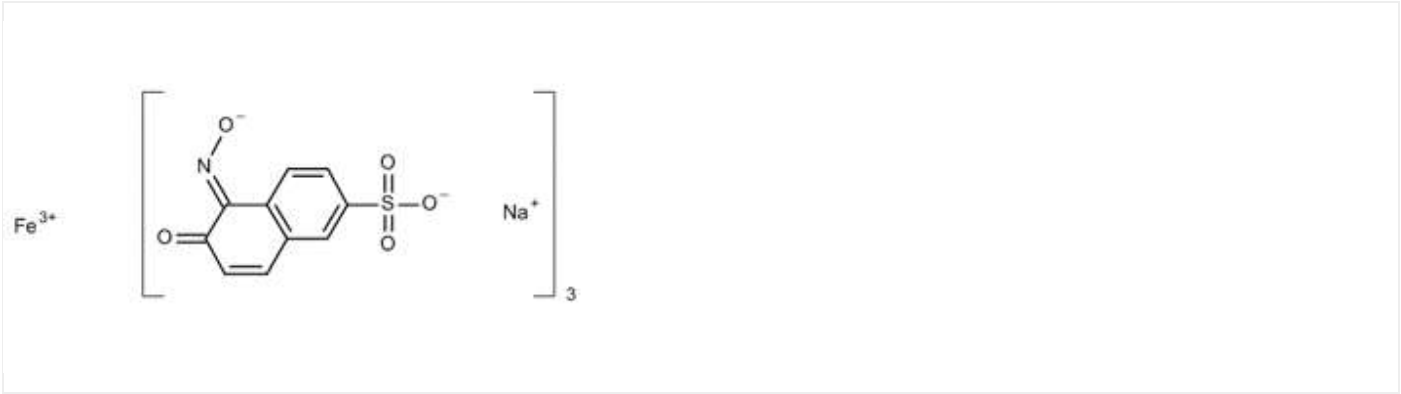
Safety Information and Hazard Symbols

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NAPHTHOL GREEN B FOR MICROSCOPY

C.I.No.10020 It is used in histology to stain collagen & for polychrome stains with animal tissue. Acid Green 1

Product Code.	01782	Grade	
Purity		CAS No.	19381-50-1
Molecular Formula	C30H15FeN3Na3O15S3	Molecular Weight	878.45
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Dark green powder
Absorption maxima in water	710 - 720 nm
Absorptivity (A 1%/1cm; at lmax; in water; on dried substances)	Min 100
Loss on drying (at 105°C)	Max 10%

Safety Information and Hazard Symbols

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NAPHTHOL GREEN B, PURE

Product Code.	1782A	Grade	
Purity		CAS No.	19381-50-1
Molecular Formula	C30H15FeN3Na3O15S3	Molecular Weight	878.47
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance (Color)	Dark green
Appearance (Form)	Powder
Infrared spectrum	Conforms
UV spectrum	Complies

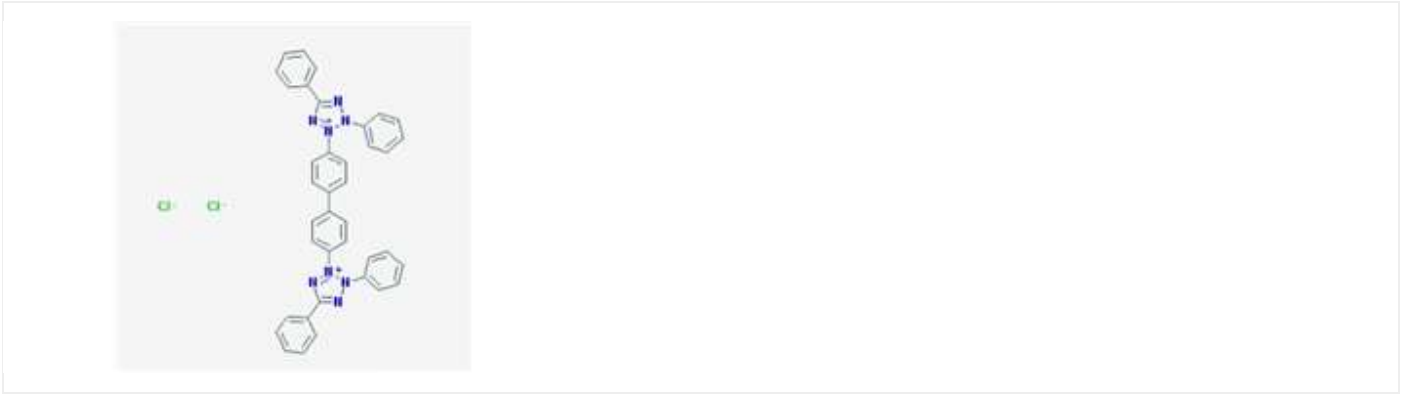
Safety Information and Hazard Symbols

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NEOTETRAZOLIUM CHLORIDE AR

For histochemical detection of dehydrogenase. 2,2',5,5'-Tetraphenyl-3,3'-(p-diphenylene)ditetrazolium chloride, 3,3'-(4,4'-Biphenylene)bis(2,5-diphenyl-2H-tetrazolium chloride), NTC, NeoT

Product Code.	01799	Grade	
Purity		CAS No.	298-95-3
Molecular Formula	C38H28N8Cl2	Molecular Weight	667.60
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured powder	Odour	Odorless
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Packaging

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Specification

Appearance	Buff coloured powder
Sulphated ash	Max 0.1%
Melting point	About 230 deg C

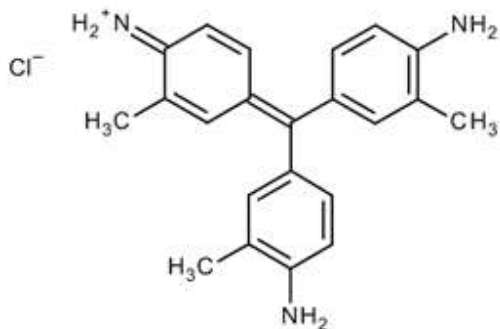
Safety Information and Hazard Symbols

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NEW FUCHSIN 75%

C.I.No.42520 New fuchsin is used for staining acid fast organism. Basic Violet 2, Fuchsin N, Magenta™ III

Product Code.	01804	Grade	
Purity	75%	CAS No.	3248-91-7
Molecular Formula	C22H24ClN3	Molecular Weight	365.91
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Odorless
pH value	3 - 4	Solubility in water [% weight]	10 g/l at 25 °C	Partition coefficient Log Pow octanol / water at 20°C	1.54

Specification

Appearance	Green to dark green powder
Absorption maxima (50% ethanol)	548 - 558 nm
Absorptivity (A 1%/1cm; at I _{max})	Min 1750

Safety Information and Hazard Symbols

 
Symbol: GHS07, GHS08 Signal Word: Warning Hazardous Statement: H315-H319-H335-H351 Precaution Statement: P261-P281-P305 + P351 + P338

NIGROSINE (ALCOHOL SOLUBLE) FOR MICROSCOPY

C.I.No.50415 It is used for negative cell staining. Solvent Black 5; C.I. 50415; Nigrosine WN; Spirit nigrosine SSB; Orient spirit black SB; Lake black extra; Spirit black 5B; Nigrosine spirit soluble

Product Code.	01826	Grade	
Purity		CAS No.	11099-03-9
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
pH value	8 - 9.5 at 20 °C	Melting point/ Freezing point [°C]	>275 °C	Solubility in water [% weight]	Slightly soluble in water

Packaging

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Specification

Appearance	Black powder
Absorption maxima	About 565 nm
Specific absorptivity A1% 1cm (Imax; 0.025 g/L; 50% ethanol)	200 - 300

Safety Information and Hazard Symbols

NIGROSINE (WATER SOLUBLE) FOR MICROSCOPY

C.I.No.50420 Used as a viable cell staining agent especially in stem cell biology. ;Water Soluble Acid black 2

Product Code.	01827	Grade	For Microscopy
Purity		CAS No.	8005-03-6
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark bluish black	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Dark bluish or black crystals/powder
Absorption maxima in 50% ethanol	570 - 580 nm
Specific absorptivity 1%/1cm (Imax; 0.025 g/L; ethanol 50%)	Min 200
Loss on dryig (at 110°C)	Max 15%

Safety Information and Hazard Symbols

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NILE BLUE CHLORIDE FOR MICROSCOPY

C.I.No.51180 Utilized in studies involved with lipid and possibly nuclei staining. 5H-Benzo(a)phenazoxazine, 9-diethylamino-,hydrochloride;Benzo(a)phenazoxonium, 5-amino-9-(diethylamino),-chloride

Product Code.	01829	Grade	
Purity	85%	CAS No.	2381-85-3
Molecular Formula	C20H20ClN3O	Molecular Weight	353.85
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

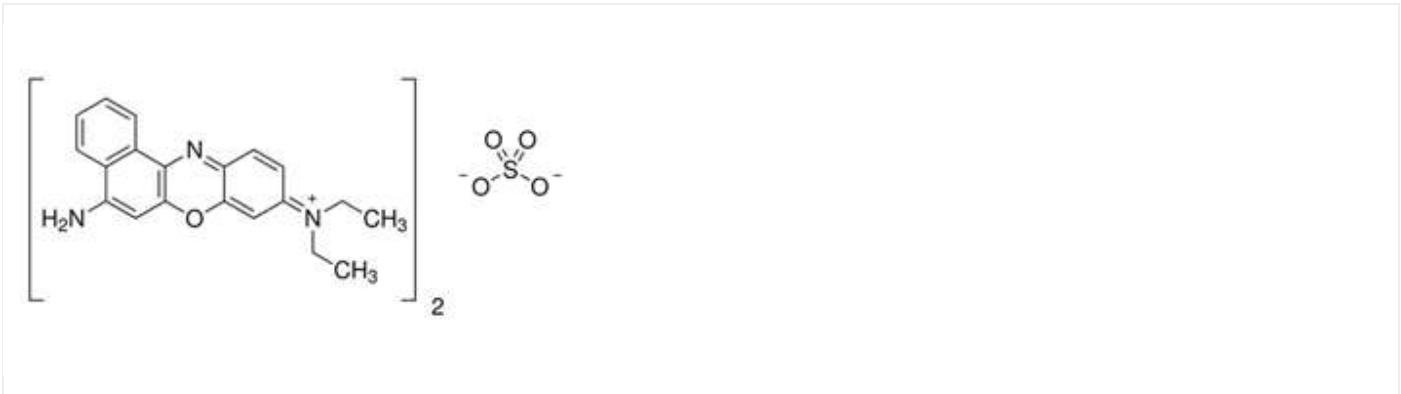
Physical state at 20 °C	Solid	Colour	Greenish blue powder	Odour	Odorless
Partition coefficient Log Pow octanol / water at 20°C	3.742				

Specification

Appearance	Green, blue, steel gray or black powder
Absorption maxima	635 - 645 nm
Absorptivity (A 1%/1cm; at I _{max})	Min 1800
Ratio I _{max} .P+/-15 nm	0.93 - 1.00
Loss on dryig (at 110°C)	Max 15%

NILE BLUE SULPHATE 90% DYE CONTENT FOR MICROSCOPY
C.I.No.51180, Used in the histochemical identification of phospholipids Nile Blue A

Product Code.	01830	Grade	For Microscopy
Purity	90% dye content	CAS No.	3625-57-8
Molecular Formula	C40H40N6O6S	Molecular Weight	732.87
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Green powder	Melting point/ Freezing point [°C]	> 300 °C
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Packaging

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Specification

Appearance	Dark blue to dark green powder
Dye content (by spectrophotometry)	Min 90%
Loss on dryig (at 110°C)	Max 8%
Suitability (for microscopy)	Passes test
UV absorbance (50% in ethanol)	635 - 649 nm

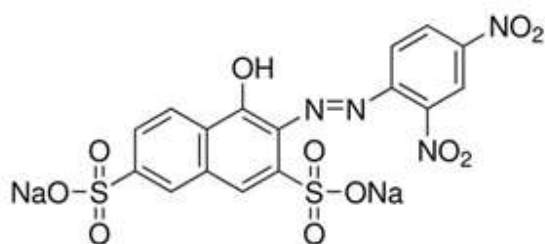
Safety Information and Hazard Symbols

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NITRAZINE YELLOW

C.I.No.14890 To perform a fecal pH test for diagnosing intestinal infections or other digestive problems
Phenaphthazine, (3E)-3-[(2,4-Dinitrophenyl)hydrazono]-4-oxonaphthalene-2,7-disulphonic acid

Product Code.	01834	Grade	
Purity		CAS No.	7/4/5423
Molecular Formula	C16H8N4Na2O11S2	Molecular Weight	542.40
H.S.Code	3204.13290	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red powder	Odour	Odorless
pH value	6.0 - 7.2	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	Orange coloured crystalline powder
pH transition range	6 - 7 (Bright yellow-Bright blue)
Absorption maxima in 0.1 N NaOH	~ 586 nm

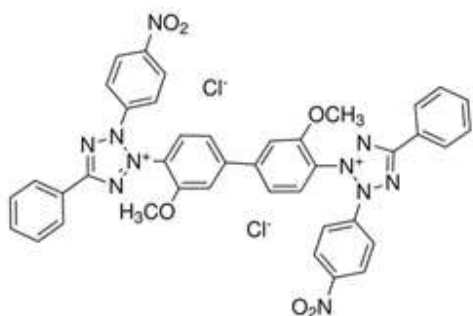
Safety Information and Hazard Symbols

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NITRO B.T. 98% AR

Store at 2-8°C Nitro blue tetrazolium is used in conjunction with the alkaline phosphatase substrate 5-Bromo-4-Chloro-3-Indolyl Phosphate Tablets in immunoblotting & immuno- histological staining procedures. Nitro blue tetrazolium chloride

Product Code.	01859	Grade	AR
Purity	98%	CAS No.	298-83-9
Molecular Formula	C ₄₀ H ₃₀ N ₁₀ O ₆ Cl ₂	Molecular Weight	817.65
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Melting point/ Freezing point [°C]	197°C
Vapour density	28.1				

Specification

Appearance	Yellow powder
Absorption maxima in methanol	256 - 259 nm
Loss on dryig (at 110°C)	Max 10%
Suitability (for microscopy)	Passes test
Purity (by HPLC)	Min 98.0%

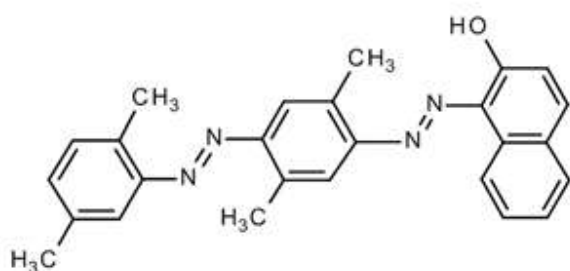
Safety Information and Hazard Symbols


Symbol: GHS07, GHS08 Signal Word: Danger Hazardous Statement: H302-H370 Precaution Statement: P260-P307 + P311

OIL RED O FOR ELECTROPHORESIS

C.I.No.26125 It is used for staining of neutral triglycerides and lipids on frozen sections and some lipoproteins on paraffin sections. Solvent Red 27, Sudan Red 5B, 1-(2,5-dimethyl-4-(2-5-dimethylphenyl) phenyldiazenyl) azonaphthalen-2-ol

Product Code.	01888	Grade	For Electrophoresis
Purity		CAS No.	1320-06-5
Molecular Formula	C26H24N4O	Molecular Weight	408.50
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red /Dark Brown powder	Melting point/ Freezing point [°C]	120 °C
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	Brownish red /Dark Brown powder
Dye content (spectrophotometric)	Min. 75.0%
Absorption maxima (in chloroform)	528 - 534 nm
Absorbance ratio (A ?max -15 nm/ A ?max +15 nm)	0.90 - 1.10

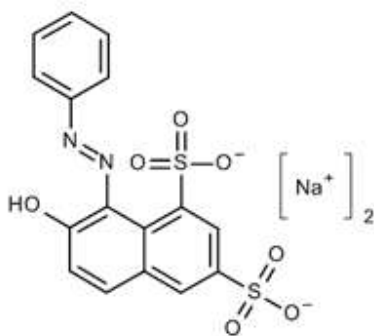
Safety Information and Hazard Symbols

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ORANGE G INDICATOR 80% DYE CONTENT FOR MICROSCOPY

C.I.No.16230 The main use of Orange G is in the OG-6 Papanicolaou stain, to stain keratin. It is also a major component of the Alexander test for pollen staining. Acid Orange 10, Wool Orange 2G, 1-Phenylazo-2-naphthol-6,8-disulfonic acid disodium salt, 7-Hydroxy-8-phenylazo-1,3-naphthalenedisulfonic acid disodium salt

Product Code.	01892	Grade	For Microscopy
Purity	80% dye content	CAS No.	1936-15-8
Molecular Formula	C16H10N2Na2O7S2	Molecular Weight	452.37
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange powder	Odour	Odorless
pH value	9	Decomposition point [°C]	280 °C	Solubility in water [% weight]	70 g/l at 20 °C

Packaging

Specification

Appearance	Orange powder
Dye content	Min 80%
Absorption maxima in water	476 - 481 nm
Absorptivity	Min 380
Loss on drying	Max 15%

ORCEIN FOR MICROSCOPY

Histological staining reagent stains elastic tissue in fixed tissue differentiates chromosomes from other structures for elementary animal tissue structure. Leucokyle stain. Natural Red 28

Product Code.	01895	Grade	
Purity		CAS No.	1400-62-0
Molecular Formula		Molecular Weight	0.00
H.S.Code	3203.00900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.268		

Packaging

Specification

Appearance	Dark brown to black-purplish powder
Absorption maxima in NaOH 0.1 mol/L	575 - 582 nm
Specific absorptivity 1%/1cm (at I _{max})	Min 500
Loss on drying	Max 7%

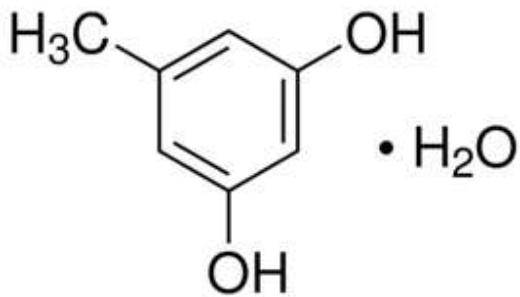
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302 Risk Statement: 22

ORCINOL MONOHYDRATE 99% FOR SYNTHESIS

3,5-Dihydroxytoluene

Product Code.	01896	Grade	For Synthesis
Purity	99%	CAS No.	6153-39-5
Molecular Formula	C7H8O2.H2O	Molecular Weight	142.16
H.S.Code	2907.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	56 - 58 °C	Boiling point [°C]	290 °C	Density [g/cm3]	1.29
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	White to light brown crystals
Assay	Min 99.0%
Melting point	56 - 58°C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

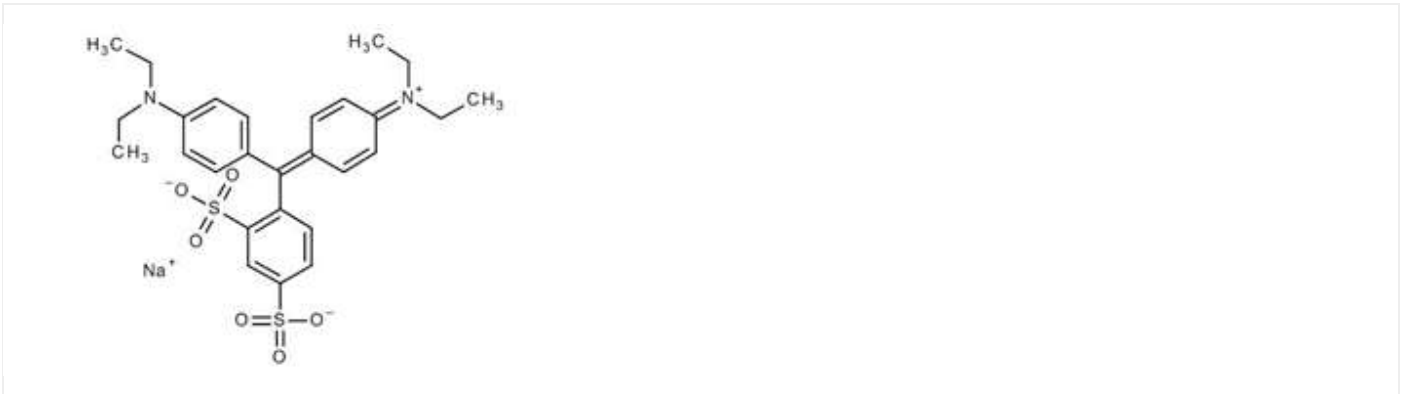
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

PATENT BLUE V (VF)

C.I.No.42045 Acid blue 1 sodium salt, Disulfon blue VN 150 sodium salt, Sulfan Blue acid blue V

Product Code.	01935	Grade	
Purity		CAS No.	129-17-9
Molecular Formula	C27H31N2NaO6S2	Molecular Weight	566.66
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark blue powder	Odour	Odorless
pH value	4 - 6	Melting point/ Freezing point [°C]	200°C	Solubility in water [% weight]	10 g/l at 20 °C

Packaging

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Specification

Appearance	Dark blue-green to dark purple powder
Absorption maxima in water	637 - 640 nm

Safety Information and Hazard Symbols

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PHLOXIN B FOR MICROSCOPY

C.I.No.45410 Phloxin B is used for various staining methods, such as overview staining with hematoxylin, cytoplasm staining, staining of nucleoli, selective staining of viral inclusions and other dense structures, such as neurosecretory granules, and staining of inflammatory exudates. 2',4',5',7'-Tetrabromo-4,5,6,7-tetrachlorofluorescein disodium salt, Acid Red 92, Cyanosine, Eosin 10B

Product Code.	02002	Grade	
Purity		CAS No.	18472-87-2
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	Odour	Odorless
Solubility in water [% weight]	Partially soluble in water				

Packaging

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Specification

Appearance	Red -brown to dark brown color powder
Absorption maxima in 50% ethanol	546 - 550 nm
Absorptivity (A 1%/1cm; at lmax)	Min 750
Loss on dryig (at 110°C)	Max 10%

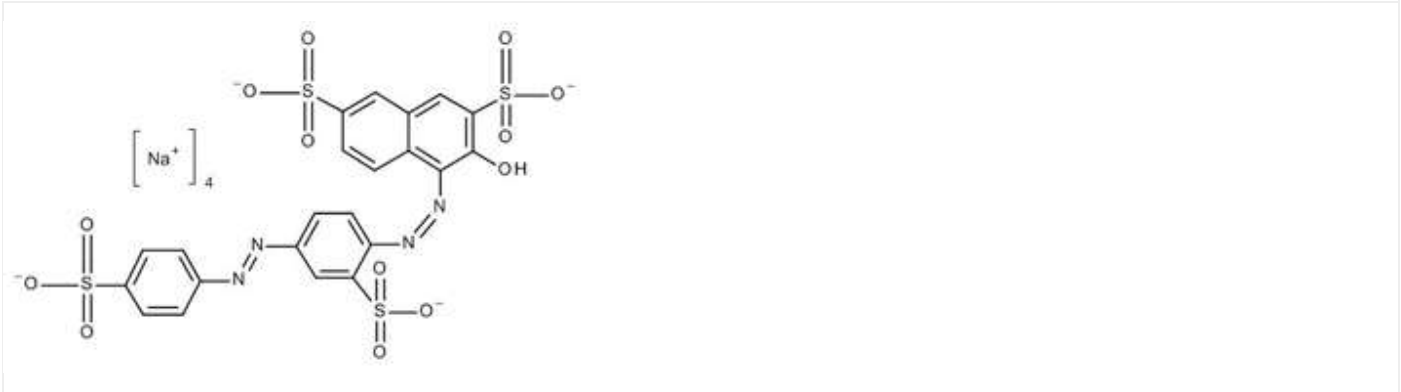
Safety Information and Hazard Symbols

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PONCEAU S FOR SYNTHESIS

C.I.No.27195 It is used to prepare a stain for rapid reversible detection of protein bands on nitrocellulose or polyvinylidene fluoride membranes (Western blotting), as well as on cellulose acetate membranes. Acid Red 112, 3-Hydroxy-4-(2-sulfo-4-[4-sulfophenylazo]phenylazo)-2,7-naphthalenedisulfonic acid sodium salt

Product Code.	02058	Grade	Electrophoretic stain (For Molecular Biology)
Purity		CAS No.	6226-79-5
Molecular Formula	C22H12N4Na4O13S4	Molecular Weight	760.56
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red crystalline	Odour	Characteristic odour
pH value	9 at 10 g/l at 20 °C	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	A dark red crystalline powder
Absorption maxima in water	517 - 523 nm
Specific absorptivity 1%/1cm (at I _{max})	Min 460
Loss on dryig (at 110°C)	Max 10%
Suitability (for electrophoresis)	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

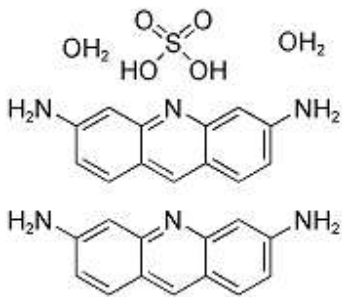
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

PROFLAVIN HEMISULPHATE DIHYDRATE EXTRAPURE

Intercalates into double helical DNA. Inhibitor of DNA polymerase I. Inhibits transcription, termination and splicing of the rRNA precursor 3,6-Diaminoacridine hemisulphate

Product Code.	02190	Grade	Extrapure
Purity		CAS No.	1811-28-5
Molecular Formula	(C13H11N3)2.H2SO4.2H2O	Molecular Weight	552.62
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Red powder	pH value	6 - 8
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Packaging

Specification

Appearance	Orange Red to Red Powder
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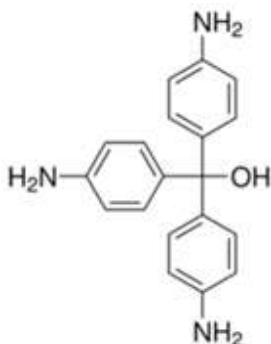
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H315-H319-H335 Precaution Statement: P261-P305 + P351 + P338

P-ROSANILINE (BASE) 95% DYE CONTENT FOR MICROSCOPY

C.I.No.42500 It is used as a stain for the tubercle bacillus & as Endo medium for distinguishing between the coli and aerogenes types of bacterias Parafuchsin, Paramagenta

Product Code.	02259	Grade	
Purity	95% dye content	CAS No.	467-62-9
Molecular Formula	C19H19N3O	Molecular Weight	305.38
H.S.Code	3204.19290	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red powder	Odour	Odorless
Melting point/ Freezing point [°C]	205 °C	Decomposition point [°C]	205 °C	Solubility in water [% weight]	Slightly soluble in water

Specification

Appearance	Purple to reddish brown
Dye content	Min 95%
Absorption maxima in ethanol	544 - 547 nm
Loss on drying	Max 5%

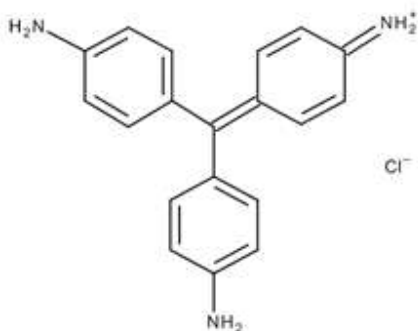
Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Warning Hazardous Statement: H351 Precaution Statement: P281

P-ROSANILINE HYDROCHLORIDE 88% DYE CONTENT EXTRA PURE

C.I.No.42500 It is the only basic fuchsine component suitable for making the aldehyde-fuchsine stain for pancreatic islet beta cells Pararosaniline, Basic Red 9, p-Rosaniline, Para magenta, [4-[Bis(4-aminophenyl)methylidene]-1-cyclohexa-2,5-dienylidene]azanium chloride

Product Code.	02260	Grade	
Purity	88% dye content	CAS No.	569-61-9
Molecular Formula	C19H18ClN3	Molecular Weight	323.83
H.S.Code	3204.19290	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green	Odour	Odorless
Melting point/ Freezing point [°C]	268 - 270 °C	Solubility in water [% weight]	Slightly soluble in water	Partition coefficient Log Pow octanol / water at 20°C	-0.21

Specification

Appearance	Dark green powder
Dye content	Min 88%
Absorption maxima in 50% ethanol	545 - 547 nm

Safety Information and Hazard Symbols

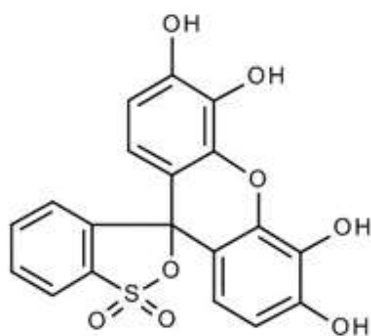


Symbol: GHS08
Signal Word: Danger
Hazardous Statement: H350
Precaution Statement: P201-P308 + P313

PYROGALLOL RED AR

Metal (pM) Indicator Pyrogallolsulfonephthalein

Product Code.	02233	Grade	
Purity		CAS No.	32638-88-3
Molecular Formula	C19H12O8S	Molecular Weight	400.04
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark brown powder	Melting point/ Freezing point [°C]	>= 300 °C
Boiling point [°C]	148 - 150 °C	Initial boiling point [°C]	148°C	Final boiling point [°C]	150 °C
Density [g/cm3]	0.988	Solubility in water [% weight]	Insoluble in water		

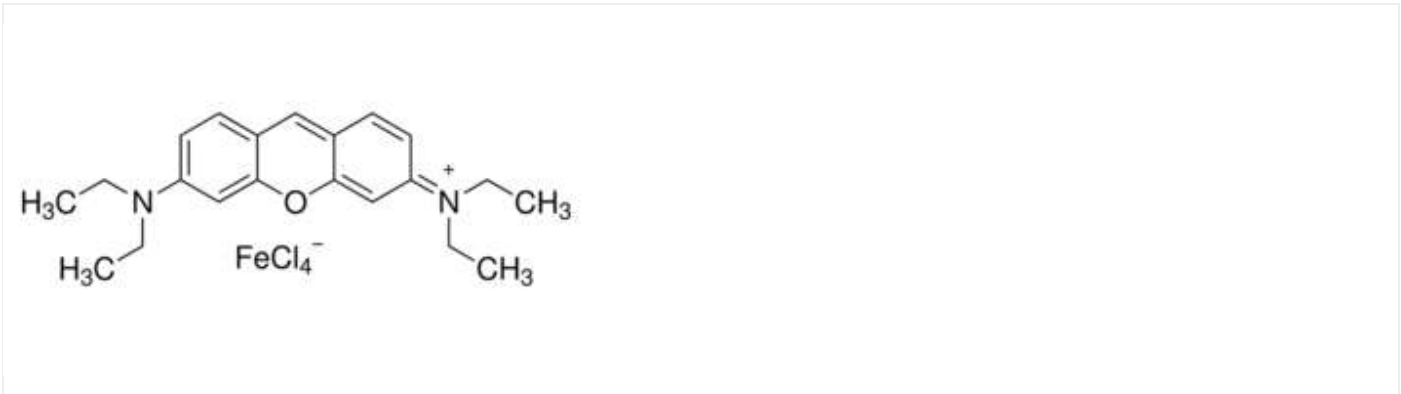
Specification

Appearance	Green to brown colored powder
Absorption maxima in pyridine/water	540 - 546 nm
Absorptivity (A 1%/1cm; at lmax)	Min 850
Loss on dryig (at 135°C)	Max 5%
Residue on ignition (as SO4)	Max 1%

PYRONIN B

C.I.No.45010 It is a histological stain for basophil elements and gonococcus. -

Product Code.	02234	Grade	
Purity		CAS No.	2150-48-3
Molecular Formula	C42H54Cl8Fe2N4O2	Molecular Weight	1042.00
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Stench odour
Melting point/ Freezing point [°C]	174 - 176 °C	Solubility in water [% weight]	Soluble in water		

Packaging

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Specification

Appearance	Dark green powder
Absorption maxima	About 553 nm
Specific Absorptivity A1% 1 cm (at Lambda max; 0.0003%; ethanol 50%)	Min. 1800

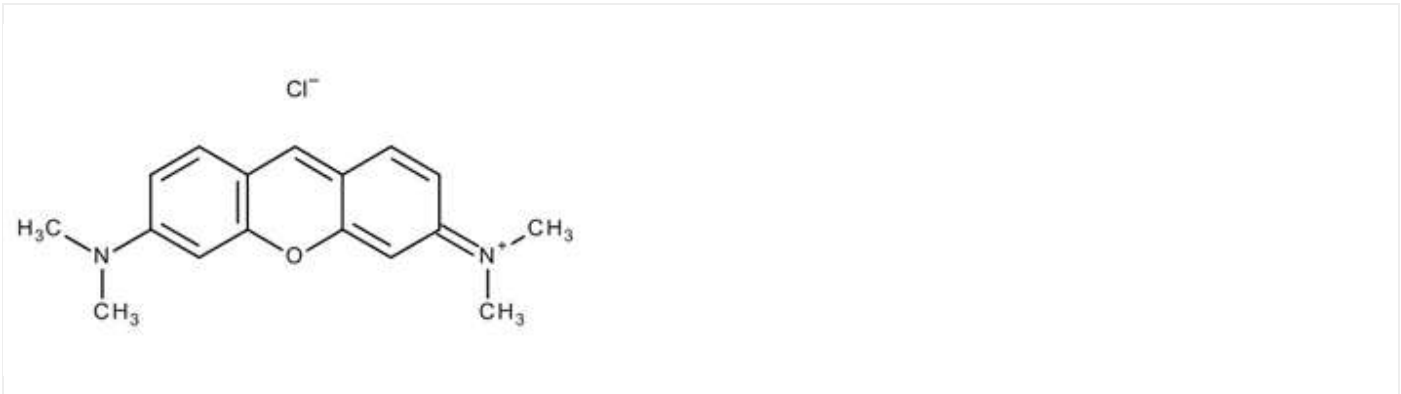
Safety Information and Hazard Symbols

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PYRONIN G 50% DYE CONTENT FOR MICROSCOPY

C.I.No.45005 Differentiates DNA from RNA, Stains mitochondria & bacteria. Pyronin Y

Product Code.	02235	Grade	
Purity	50% dye content	CAS No.	92-32-0
Molecular Formula	C17H19ClN2O	Molecular Weight	302.80
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Odour	Unpleasant
Melting point/ Freezing point [°C]	250 - 260 °C	Solubility in water [% weight]	8.96% @ 26°C		

Packaging

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Specification

Appearance	Green to black colored powder
Dye content (by spectrophotometry)	Min 50%
Absorption maxima in 50% ethanol	546 - 551 nm
Loss on dryig (at 110°C)	Max 15%
Suitability (for microscopy)	Passes test

Safety Information and Hazard Symbols

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QUINOLINE YELLOW FOR MICROSCOPY

C.I.NO.47005 It is used as a colouring agent. Quinoline Yellow WS, Food Yellow 13, Acid yellow 3, Quinidine Yellow KT, Japan Yellow 203, Lemon Yellow ZN, Sodium 2-(1,3-dioxindan-2-yl)quinolinedisulfonate

Product Code.	02245	Grade	For Microscopy
Purity		CAS No.	8004-92-0
Molecular Formula	C19H9NNa2O8S2	Molecular Weight	489.39
H.S.Code	2933.39900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Odour	Odorless
Decomposition point [°C]	> 150 °C	Solubility in water [% weight]	225 g/l Water (20°C)		

Packaging

Specification

Appearance	Yellow colored powder
Absorption maxima in water	About 412 nm

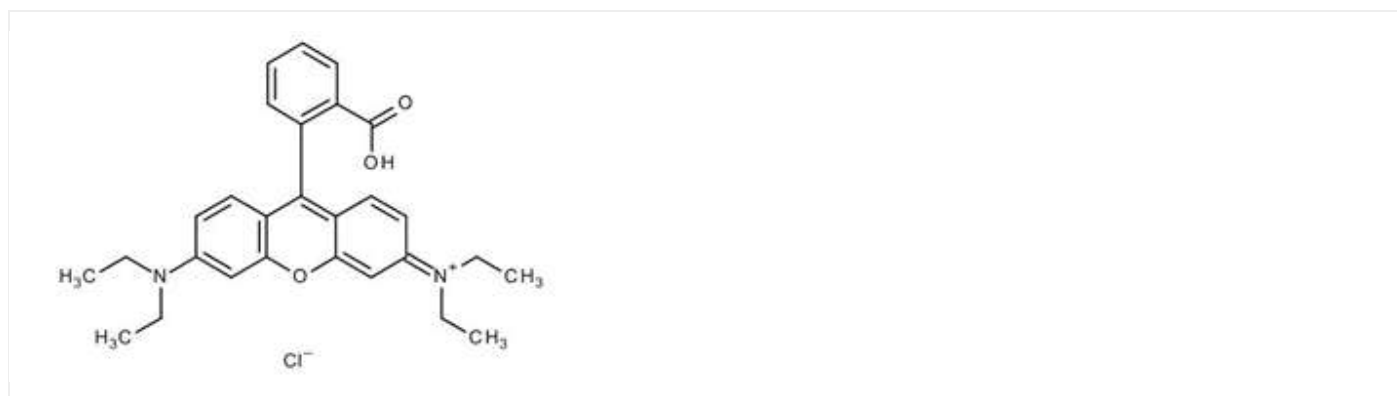
Safety Information and Hazard Symbols


Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

RHODAMINE B AR FOR MICROSCOPY

C.I.No.45170 Rhodamine B is used in biology as a staining fluorescent dye, sometimes in combination with auramine O, as the auramine-rhodamine stain to demonstrate acid-fast organisms, notably Mycobacterium. Rhodamine 610, C.I. Pigment Violet 1, Basic Violet 10

Product Code.	02253	Grade	For Microscopy
Purity		CAS No.	81-88-9
Molecular Formula	C28H31ClN2O3	Molecular Weight	479.02
H.S.Code	3204.13420	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green crystalline	Odour	Odorless
Melting point/ Freezing point [°C]	210 - 211 °C	Density [g/cm3]	0.79	Solubility in water [% weight]	Partially soluble in water

Packaging

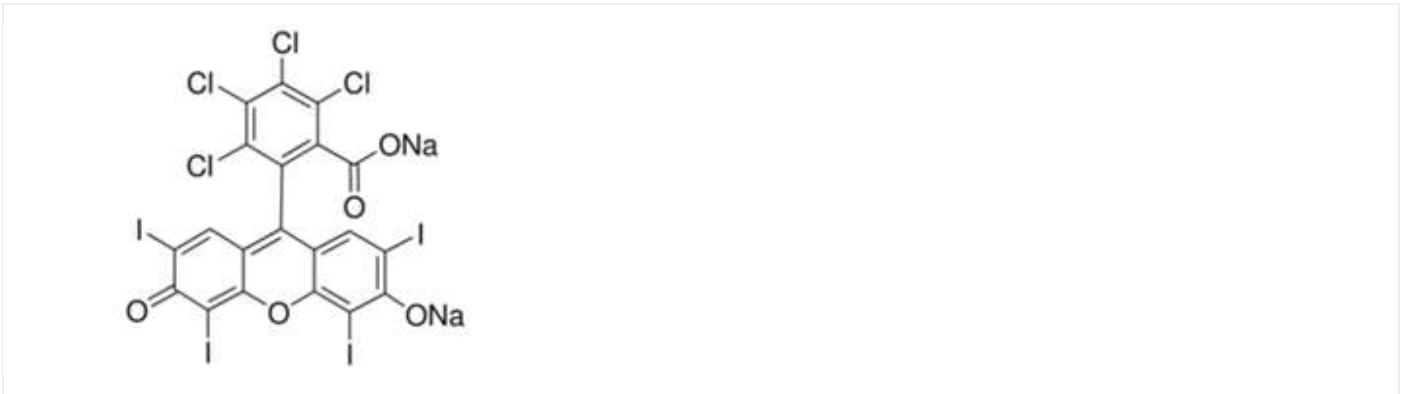
Specification

Appearance	Dark green crystalline powder
Absorption maxima in water	550-554 nm
Absorptivity (A 1%/1cm; at λmax, pH 7, on dried substances)	Min 2100
Loss on drying (at 110°C)	Max 5.0 %
Suitability (for microscopy)	Passes test

ROSE BENGAL 85% DYE CONTENT AR

C.I.No.45440 It is commonly used in eye drops to stain damaged conjunctival and corneal cells and thereby identify damage to the eye. 4,5,6,7-tetrachloro-2',4',5',7'-tetraiodofluorescein, Acid Red 94, Bengal Rose B sodium salt

Product Code.	02261	Grade	
Purity	85% dye content	CAS No.	632-69-9
Molecular Formula	C20H2.Cl4I4Na2O5	Molecular Weight	1017.65
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red powder	Solubility in water [% weight]	Soluble in water
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Packaging

Specification

Appearance	Dark red to reddish brown colored powder
Identity (IR)	Passes test
Solubility (1 mg/mL in water)	Clear to slightly hazy red color solution
Absorption maxima (0.001% in water + 1 ml 1% Na2CO3 solution)	544 - 550 nm
Dye content	Min 85.0%
Loss on dryig (at 110°C)	Max 10%

Safety Information and Hazard Symbols

RUTHENIUM RED 99% FOR MICROSCOPY

Ruthenium Red, is used in histology to stain aldehyde fixed mucopolysaccharides. Ammoniated ruthenium oxychloride

Product Code.	02266	Grade	
Purity	99%	CAS No.	11103-72-3
Molecular Formula	Cl6H42N14O2Ru3.4H2O	Molecular Weight	858.42
H.S.Code	2843.90190	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red to purple to brown to black powder.	Odour	Odorless
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Packaging

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Specification

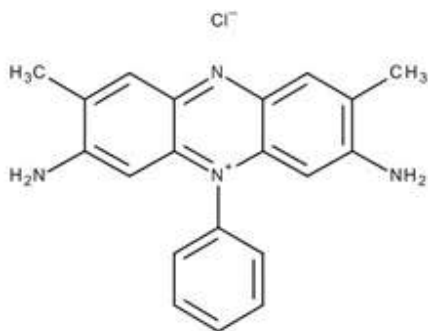
Appearance	Brownish-red to purple to brown to black powder.
Assay	Min 99%
Ruthenium (Ru)	About 35%
Palladium (Pd)	Max 0.005%
Rhodium (Rh)	Max 0.005%

Safety Information and Hazard Symbols

SAFRANINE FOR MICROSCOPY

C.I. No 50240, Used as a counter stain in some staining protocols, coloring all cell nuclei red. Basic Red 2, Cotton Red, Gossypimine, Safranin O, Safranin T, Safranin Y or A

Product Code.	02271	Grade	For Microscopy
Purity	Dye Content : Min 85%	CAS No.	477-73-6
Molecular Formula	C ₂₀ H ₁₉ ClN ₄	Molecular Weight	350.84
H.S.Code	3204.13100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark reddish brown	Odour	Pungent odour
Melting point/ Freezing point [°C]	>240°C	Solubility in water [% weight]	Soluble in water		

Specification

Appearance	Dark Greenish coloured powder
Absorption maxima	530 - 534 nm
Absorptivity (A 1%/1cm; at lmax)	Min 875
Ratio lmax.P+/-15 nm	1.10 - 1.32
Loss on dryig (at 110°C)	Max 15%

Safety Information and Hazard Symbols

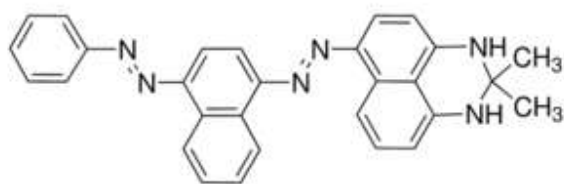


Symbol: GHS05
Signal Word: Danger
Hazardous Statement: H318
Precaution Statement: P280-P305 + P351 + P338

SUDAN BLACK B 60% DYE CONTENT FOR MICROSCOPY

C.I.No. 26150 It is used for staining of neutral triglycerides and lipids on frozen sections and some lipoproteins on paraffin sections. Sudan Black; Fat Black HB; Solvent Black 3

Product Code.	02586	Grade	For Microscopy
Purity	60% dye content	CAS No.	4197-25-5
Molecular Formula	C29H24N6	Molecular Weight	456.55
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Black powder	Odour	Odorless
Melting point/ Freezing point [°C]	120 - 124 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	Black powder
Dye content	Min 60%
Absorption maxima in 95% ethanol	596 - 605 nm
Loss on drying (50°C; 0.05 mm Hg)	Max 5%
Suitability (for microscopy)	Passes test

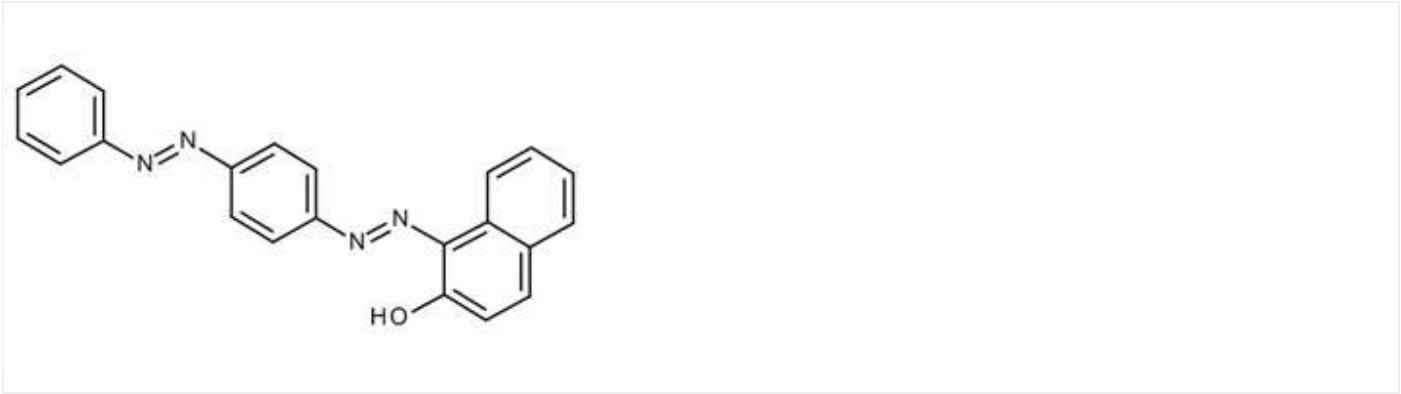
Safety Information and Hazard Symbols

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SUDAN III 85% DYE CONTENT FOR MICROSCOPY

C.I.No.26100 Sudan III is a dye used for Sudan staining. 1-((4-(phenyldiazenyl)phenyl) azonaphthalen-2-ol

Product Code.	02582	Grade	For Microscopy
Purity	85% dye content	CAS No.	85-86-9
Molecular Formula	C22H16N4O	Molecular Weight	352.40
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red powder	Odour	Odorless
Melting point/ Freezing point [°C]	199 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

Appearance	Dark red powder
Absorption maxima	508 - 512 nm
Dye content	Min 85%
Loss on dryig (at 110°C)	Max 2%

Safety Information and Hazard Symbols

SUDAN IV FOR MICROSCOPY

C.I.No.26105 It is used to colour nonpolar substances like oils, fats, waxes, greases, various hydrocarbon products, and acrylic emulsions. Sudan R, Solvent Red 24, Lipid Crimson, Oil Red, Oil Red BB, Fat Red B, Oil Red IV, Scarlet Red, , Scarlet Red Scharlach, Scarlet R ;

Product Code.	02584	Grade	For Microscopy
Purity		CAS No.	85-83-6
Molecular Formula	C24H20N4O	Molecular Weight	380.45
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red powder	Odour	Odorless
Melting point/ Freezing point [°C]	199 °C	Solubility in water [% weight]	Insoluble in water		

Packaging

Specification

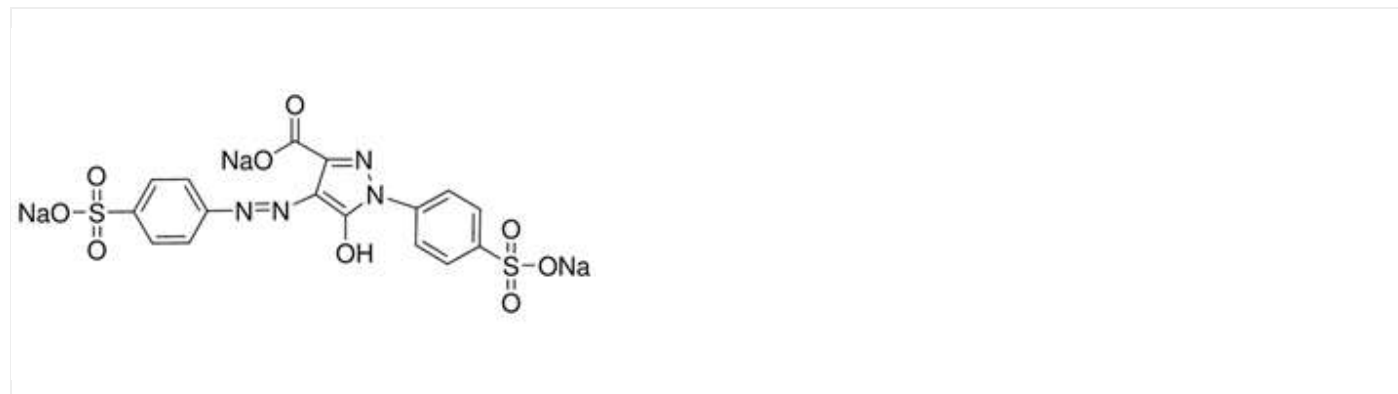
Appearance	Dark red powder
Absorption maxima	519 - 523 nm
Absorptivity (A 1%/1cm; at lmax)	Min 600
Loss on dryig (at 135°C)	Max 3%

Safety Information and Hazard Symbols

TARTRAZINE AR FOR MICROSCOPY

C.I.No.19140, used as a food coloring agent Acid Yellow 23

Product Code.	02621	Grade	
Purity		CAS No.	1934-21-0
Molecular Formula	C16H9N4O9S2Na3	Molecular Weight	534.40
H.S.Code	3204.19820	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange coloured powder	Odour	Odorless
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Specification

Appearance	Orange colored powder
Absorption maxima in water	421 - 427nm
Absorptivity (A 1%/1cm; at lmax)	Min 400
Loss on dryig (at 135°C)	Max 15%

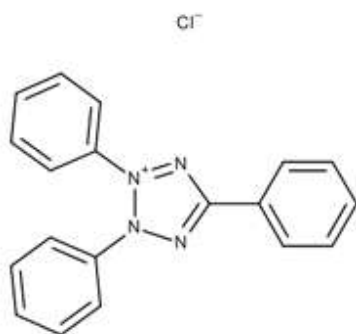
Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Warning Hazardous Statement: H317-H334 Precaution Statement: P261-P280-P342 + P311

TETRAZOLIUM SALT (TTC) 99% AR

It is used in biochemical experiments especially indicate cellular respiration. 2,3,5-Triphenyltetrazolium chloride

Product Code.	02670	Grade	AR
Purity	99%	CAS No.	298-96-4
Molecular Formula	C ₁₉ H ₁₅ ClN ₄	Molecular Weight	334.81
H.S.Code	2933.99000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Buff coloured powder	Odour	Odorless
Melting point/ Freezing point [°C]	235 °C	Vapour density	11.5	Solubility in water [% weight]	Soluble in water

Packaging

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Specification

Appearance	White to pale yellow or cream powder
Assay	Min 99.0%
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.001%
Sulphated ash	Max 0.2%
Sensitivity for glucose	Passes test

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

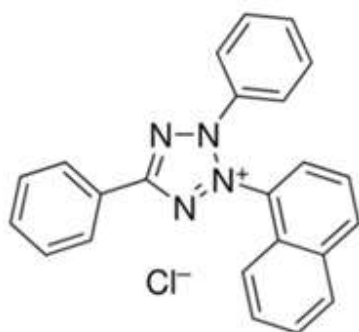
Risk Statement: 36/37/38

Safety Statement: 26-36

TETRAZOLIUM VIOLET AR

Tetrazolium Violet is a reactive stain that has been used for determining substrate catabolism in microbial cultures via reduction to a colored formazan upon substrate utilization. 2,5-Diphenyl -3-(1-Naphthyl)

Product Code.	02671	Grade	
Purity		CAS No.	1719-71-7
Molecular Formula	C23H17N4Cl	Molecular Weight	384.87
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown powder	Odour	Odorless
Melting point/ Freezing point [°C]	245 - 250 °C				

Packaging

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Specification

Appearance	Brown-yellow to brown powder
Melting point	245 - 250 deg C

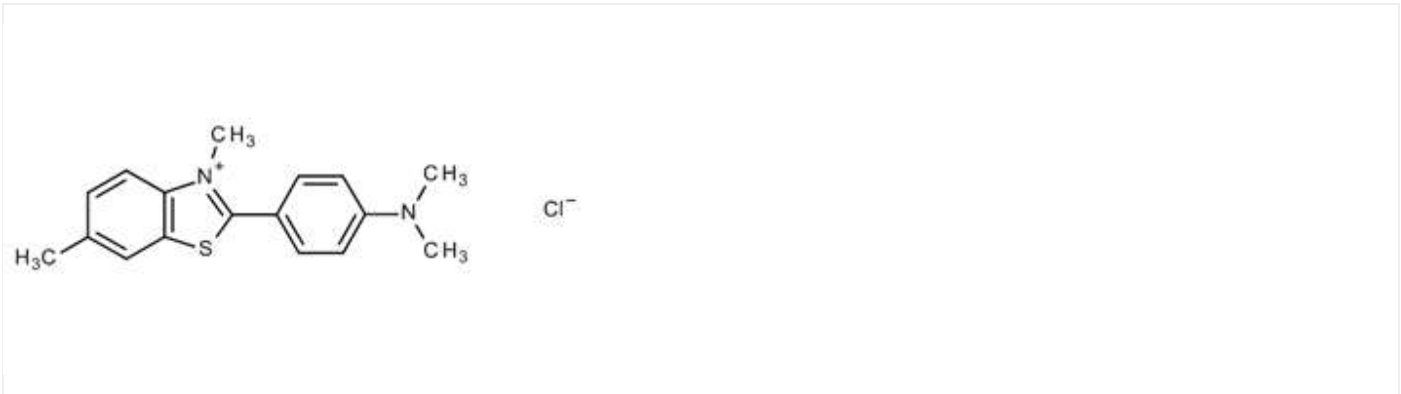
Safety Information and Hazard Symbols

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THIOFLAVINE T

C.I.No.49005 It is used to visualize and quantify the presence of misfolded protein aggregates called amyloid, both in vitro and in vivo 4-(3,6-dimethyl-1,3-benzothiazol-3-ium-2-yl)-N,N-dimethylaniline chloride, Basic Yellow 1

Product Code.	02678	Grade	
Purity		CAS No.	2390-54-7
Molecular Formula	C17H19ClN2S	Molecular Weight	318.87
H.S.Code	3204.13290	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Solubility in water [% weight]	Soluble in water
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Packaging

Specification

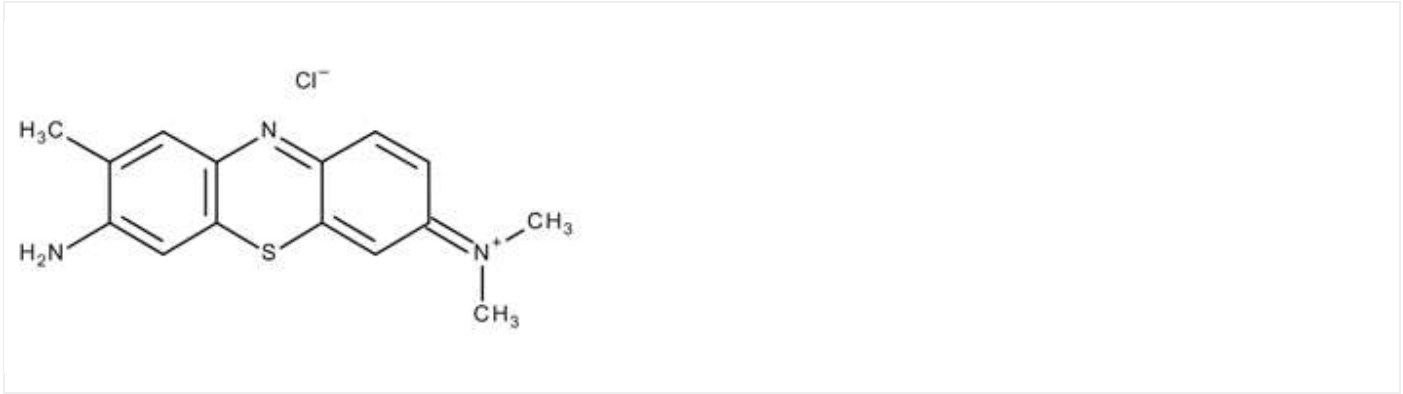
Appearance	Yellow to golden to orange brown powder
Solubility (1 mg /mL in methanol)	Clear to slightly hazy yellow to yellow-green solution
Identity (IR)	Conforms
Dye content	Min. 75.0%
Absorption maxima (10 mg/l in water)	409 to 415 nm

Safety Information and Hazard Symbols

TOLUIDINE BLUE O 80% DYE CONTENT FOR MICROSCOPY

C.I.No.52040 It is used for staining chromosomes in plant or animal tissues. Basic Blue 17; Tolonium chloride; Blutene chloride; Basic Blue 17; Gabilin; Menodin

Product Code.	02734	Grade	
Purity	80% dye content	CAS No.	92-31-9
Molecular Formula	C15H16ClN3S	Molecular Weight	305.83
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Solubility in water [% weight]	Partially soluble in water
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Packaging

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Specification

Appearance	Dark green to very dark green or blakish green powder
Dye content (by spectrophotometry)	Min 80%
Absorption maxima in water	628 - 633 nm
Solubility (0.1% in water)	Clear solution
Absorptivity (1%/1cm; at lmax; 0.005 g/L in water)	Min 1200
Loss on dryig (at 110°C)	Max 8%

Safety Information and Hazard Symbols

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TOLUIDINE BLUE O, PURE

Product Code.	2734A	Grade	
Purity		CAS No.	92-31-9
Molecular Formula	C15H16ClN3S	Molecular Weight	305.83
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Dark green powder	Solubility in water [% weight]	Partially soluble in water
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Packaging

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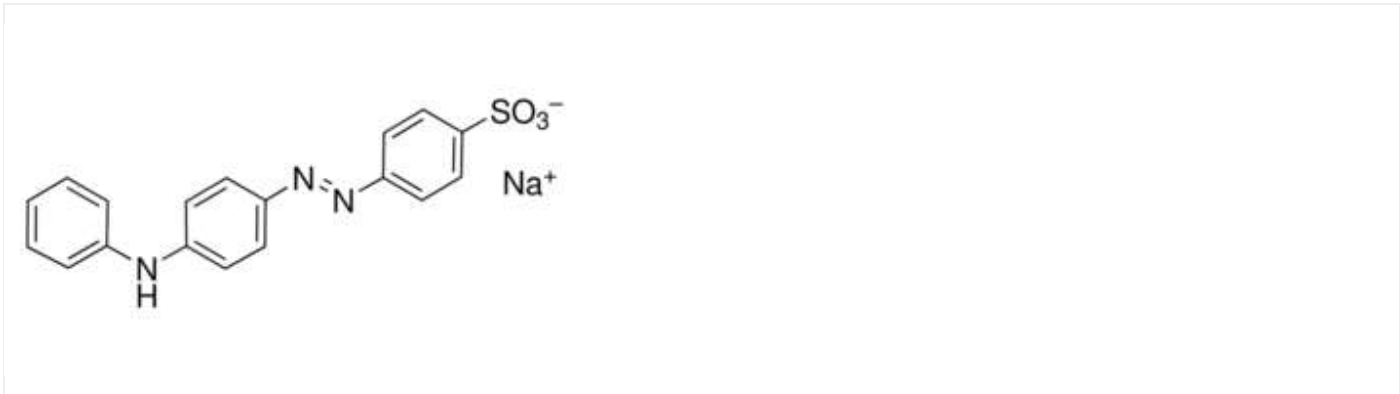
Specification

Appearance (Color)	Dark green
Appearance (Form)	Powder
Infrared spectrum	Conforms
UV spectrum	Complies

Safety Information and Hazard Symbols

TROPAEOLIN O FOR MICROSCOPY
C.I.No.13080, used as a dye. ORANGE IV

Product Code.	02786	Grade	
Purity		CAS No.	554-73-4
Molecular Formula	C18H14N3NaO3S	Molecular Weight	375.38
H.S.Code	3212.90900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish orange	Odour	Odorless
Solubility in water [% weight]	Soluble in water				

Packaging

Specification

Appearance	Brownish orange colored powder
pH	1.2 - 3.2

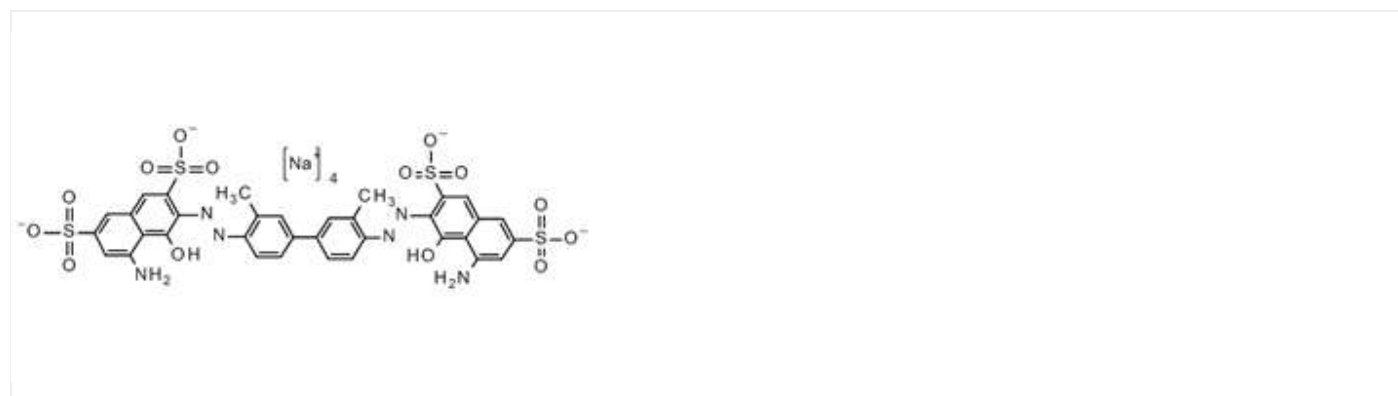
Safety Information and Hazard Symbols

Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

TRYPAN BLUE 70% DYE CONTENT FOR MICROSCOPY

C.I.No.23850 Trypan blue is a vital stain used to selectively colour dead tissues or cells blue. Congo Blue 3B; Direct Blue 14, Niagara Blue 3B; 3,3'-[(3,3'-Dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxy-2,7-naphthalenedisulfonic acid] tetrasodium salt

Product Code.	02789	Grade	
Purity	60% dye content	CAS No.	72-57-1
Molecular Formula	C34H24N6Na4O14S4	Molecular Weight	960.80
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark blue crystalline	Melting point/ Freezing point [°C]	> 300 °C
Solubility in water [% weight]	Soluble in water				

Specification

Appearance	Dark Green to Brown or Brown-Black Powder, Crystalline Powder or Granule
Dye content	Min 60%

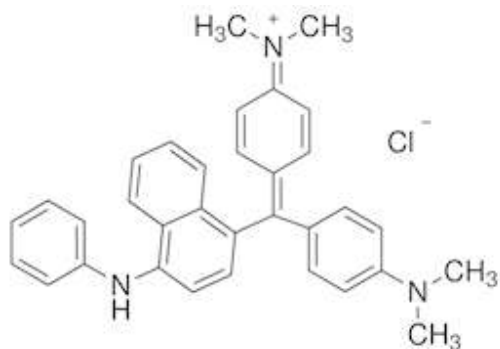
Safety Information and Hazard Symbols


Symbol: GHS08 Signal Word: Danger Hazardous Statement: H350 Precaution Statement: P201-P308 + P313

VICTORIA BLUE FOR MICROSCOPY

Dyeing Acrylic, Paper, Moissquito Coils,Leather, Silk, and can be used to for Paint and drawing.
C.I.No.44045 Basic Blue 26, Basic Blue B

Product Code.	02828	Grade	For Microscopy
Purity		CAS No.	2580-56-5
Molecular Formula	C33H32ClN3	Molecular Weight	506.10
H.S.Code	3204.13520	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red powder	Odour	Odorless
pH value	2 - 3	Melting point/ Freezing point [°C]	206 °C	Decomposition point [°C]	> 100 °C
Solubility in water [% weight]	Soluble in hot water				

Specification

Appearance	Brownish red powder
Absorption maxima in 50% ethanol	612 - 617 nm
Loss on drying	Max 10%

Safety Information and Hazard Symbols



Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H319
Precaution Statement: P305 + P351 + P338

WRIGHT'S STAIN FOR MICROSCOPICAL STAINING

It is used primarily to stain peripheral blood smears and bone marrow aspirates which are examined under a light microscope. In cytogenetics it is used to stain chromosomes to facilitate diagnosis of syndromes and diseases. Eosin Methylene blue according to Wright

Product Code.	02841	Grade	For microscopical staining
Purity		CAS No.	68988-92-1
Molecular Formula		Molecular Weight	0.00
H.S.Code	3204.90000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Solid	Colour	Greenish black	Odour	Odorless
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Packaging

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Specification

Appearance	Greenish black/blue crystalline powder
Absorption maxima in methanol (Imax1)	640 - 648 nm
Absorption maxima in methanol (Imax2)	522 - 525 nm
Specific absorptivity 1%/1cm (at Imax1)	Min 1100
Specific absorptivity 1%/1cm (at Imax2)	Min 650
Suitability (for microscopy)	Passes test
Loss on dryig (at 110°C)	Max 10%

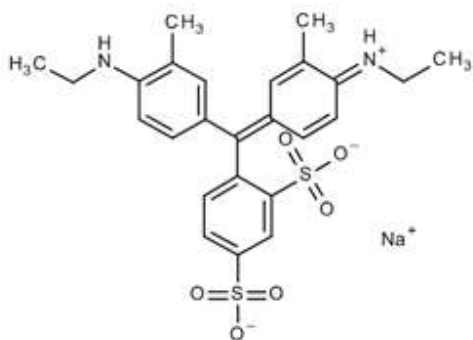
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07 Signal Word: Danger Hazardous Statement: H302-H318 Precaution Statement: P280-P305 + P351 + P338

XYLENE CYANOL FF EXTRA PURE REDOX INDICATOR

Xylene cyanol is often used as a tracking dye during agarose or polyacrylamide gel electrophoresis.
C.I.No.42135 Acid blue 147, Cyanol FF, XC, Xylene Cyanole FF

Product Code.	02852	Grade	Extra Pure
Purity		CAS No.	2650-17-1
Molecular Formula	C ₂₅ H ₂₇ N ₂ NaO ₆ S ₂	Molecular Weight	538.61
H.S.Code	3204.19790	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Reddish brown crystals	Odour	Odorless
pH value	3.8	Melting point/ Freezing point [°C]	295 °C	Solubility in water [% weight]	Soluble in water

Specification

Appearance	Dark green crystalline powder with metallic luster
Absorption maxima in water	613 - 616 nm
Loss on dryig (at 110°C)	Max. 6.0%
Specific absorptivity 1%/1cm (at I _{max})	1000 - 1500

Safety Information and Hazard Symbols

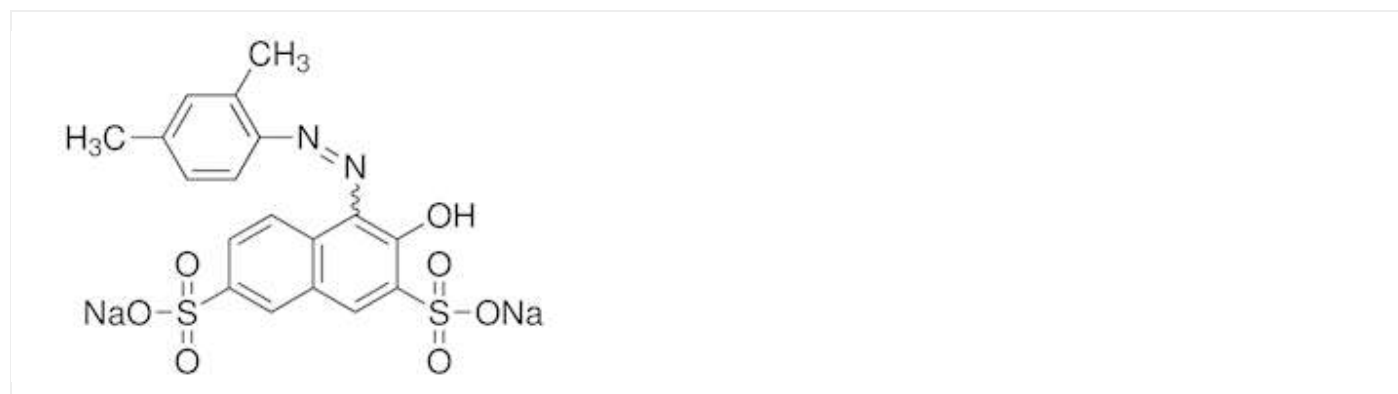


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

XYLIDINE PONCEAU FOR MICROSCOPY

C.I.No.16150 Xylidine ponceau is used in the Masson's trichrome stain as a red counterstain, where it imparts orange hue to the red-stained cytoplasmic structures. Ponceau 2R, Ponceau G, Red R, Acid Red 26, Food Red 5

Product Code.	02858	Grade	
Purity		CAS No.	3761-53-3
Molecular Formula	C18H14N2Na2O7S2	Molecular Weight	480.43
H.S.Code	3204.90000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish red powder	Solubility in water [% weight]	Soluble in water
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Packaging

Specification

Appearance	Brownish red powder
Absorption maxima in water	About 503 nm

Safety Information and Hazard Symbols

Symbol: GHS08 Signal Word: Warning Hazardous Statement: H351 Precaution Statement: P281

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
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