

Витамины

Технические характеристики

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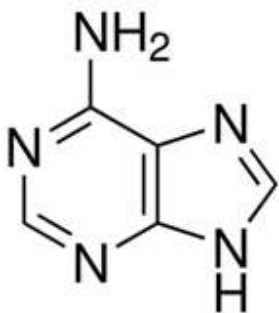
Киргизия +996(312)96-26-47

эл.почта: pva@nt-rt.ru || сайт: <https://pallav.nt-rt.ru/>

ADENINE 99% FOR BIOCHEMISTRY

Confirms to BP, USP 6-aminopurine

Product Code.	00068	Grade	
Purity	Min. 99%	CAS No.	73-24-5
Molecular Formula	C5H5N5	Molecular Weight	135.13
H.S.Code	2933.59900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	7	Melting point/ Freezing point [°C]	> 360 °C	Solubility in water [% weight]	Slightly soluble in water

Packaging



Specification

Appearance	White powder
Assay	Min 99%
Identification	Passes test
Appearance of solution	Passes test

Acidity or alkalinity	Passes test
Related Substances	Passes test
Chloride (Cl)	Max 0.01%
Sulphate (SO ₄)	Max 0.03%
Ammonium (NH ₄)	Max 0.001%
Heavy metal (as Pb)	Max 0.001%
Loss on drying	Max 0.5%
Residue on ignition	Max 0.1%
Organic volatile impurities (By GC)	Passes test
Residual solvents	Passes test
Nitrogen content (as N)	50.2-53.4%

Safety Information and Hazard Symbols

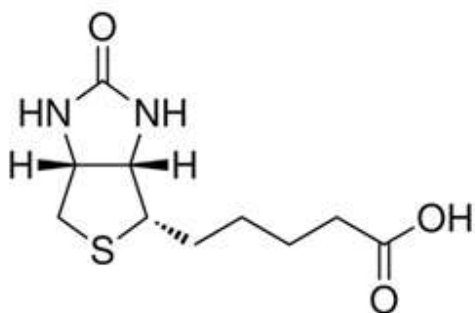


Symbol: GHS06
 Signal Word: Danger
 UN No.: 2811
 IMCO Class No.: 6.1
 Packing Group: III
 Hazardous Statement: H301
 Precaution Statement: P301 + P310

D-BIOTIN 97% FOR BIOCHEMISTRY

Vitamin H,Vitamin B7

Product Code.	00416	Grade	For Biochemistry
Purity	97%	CAS No.	58-85-5
Molecular Formula	C ₁₀ H ₁₆ N ₂ O ₃ S	Molecular Weight	244.31
H.S.Code	2936.29500	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Melting point/ Freezing point [°C]	231 - 233 °C
Solubility in water [% weight]	Slightly soluble in water				

Packaging



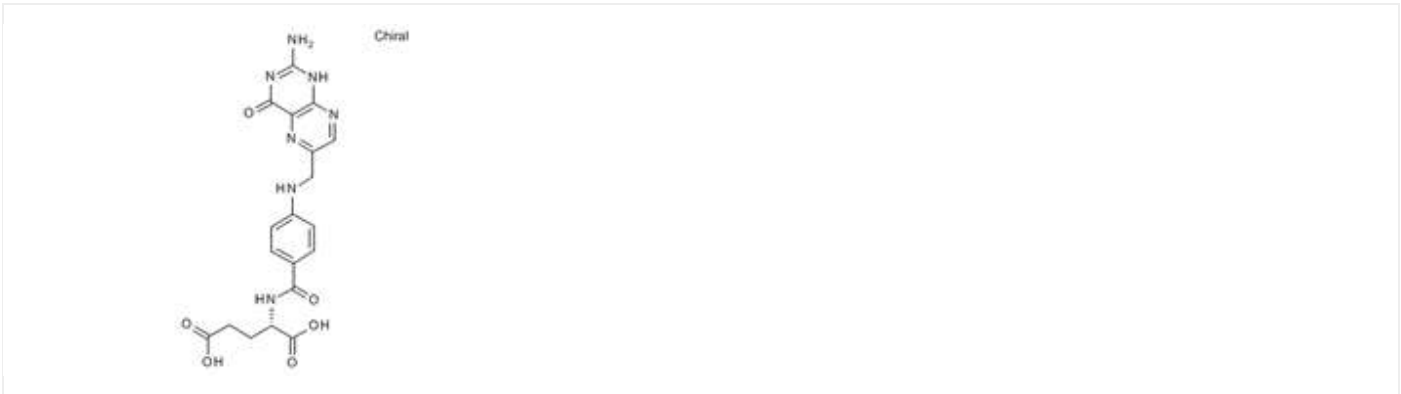
Specification

Appearance	White crystalline powder
Assay	97-100.5%
Specific optical rotation ([α] _{20/D})	+89 to +93°

FOLIC ACID 98% FOR BIOCHEMISTRY

PteGlu, Pteroyl-L-glutamic acid, Vitamin M

Product Code.	01240	Grade	For Biochemistry
Purity	97%	CAS No.	59-30-3
Molecular Formula	C19H19N7O6	Molecular Weight	441.40
H.S.Code	2936.29100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish crystalline	Odour	Odorless
pH value	4	Melting point/ Freezing point [°C]	> 285 °C	Solubility in water [% weight]	Slightly soluble in water

Packaging

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Specification

Appearance	Yellowish crystalline powder
Assay	98 - 102%
Water (H2O)	5 - 8.5%
Sulphated ash	Max 0.2%

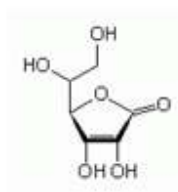
Safety Information and Hazard Symbols

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L-ASCORBIC ACID 99.5% AR FOR BIOCHEMISTRY

(Confirms to IP,USP) L-Threoascorbic acid, Antiscorbutic factor, Vitamin C

Product Code.	00308	Grade	
Purity	99.5%	CAS No.	50-81-7
Molecular Formula	C8H8O6	Molecular Weight	176.12
H.S.Code	2936.27000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	1 - 2.5	Melting point/ Freezing point [°C]	190 - 194 °C	Density [g/cm3]	1.65
Solubility in water [% weight]	176 g/l at 20 °C - completely soluble				

Packaging



Specification

Appearance	A white to very pale yellow crystalline powder or colourless crystals; odourless. On exposure to light it gradually darkens.
Assay	99.5-100.5%
Identity (IR)	To confirm the structure

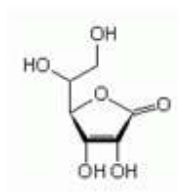
Identification (as per USP, IP)	To comply the tests
Appearance of solution	To comply IP test
Specific optical rotation ([α] _{20/D} ; 10% solution)	+20.5° to +21.5°
Light absorption	Absorbance at about 244 nm is about 0.56
Oxalic acid	Max 0.3%
Loss on drying	Max 0.1%
Sulphated ash	Max 0.1%
Chloride (Cl)	Max 0.01%
Sulphate (SO ₄)	Max 0.002%
Copper (Cu)	Max 0.0005%
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.0002%
Lead (Pb)	Max 0.001%

Safety Information and Hazard Symbols

L-ASCORBIC ACID 99% EXTRAPURE

L-Threoascorbic acid, Antiscorbutic factor, Vitamin C

Product Code.	00307	Grade	
Purity	99%	CAS No.	50-81-7
Molecular Formula	C6H8O6	Molecular Weight	176.12
H.S.Code	2936.27000	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	1 - 2.5	Melting point/ Freezing point [°C]	190 - 194 °C	Density [g/cm3]	1.65
Solubility in water [% weight]	176 g/l at 20 °C - completely soluble				

Packaging



Specification

Appearance	A white to very pale yellow crystalline powder or colourless crystals; odourless. On exposure to light it gradually darkens.
Assay	99.0 - 100.5%
Specific rotation [α] 20°C/ D (10% solution)	+20.5° to +21.5°

Residue on ignition	Max. 0.1%
Heavy metal (as Pb)	Max. 0.002%
Iron (Fe)	Max. 0.001%

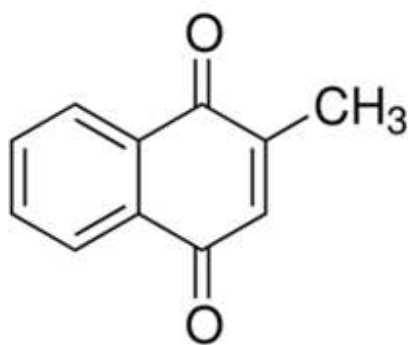
Safety Information and Hazard Symbols

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MENADIONE

2-Methyl-1,4-naphthoquinone, Vitamin K3

Product Code.	01645	Grade	
Purity	98.5%	CAS No.	58-27-5
Molecular Formula	C11H8O2	Molecular Weight	172.19
H.S.Code	2936.29900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellowish green powder	Odour	Slight odor
Melting point/ Freezing point [°C]	105 - 107 °C	Solubility in water [% weight]	Insoluble in water		

Specification

Appearance	Yellowish green powder
Assay	98.5 - 101%
Melting point	105 - 107 deg C
Loss on drying	Max 0.3%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

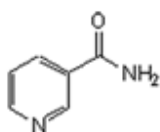
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

NICOTINAMIDE 99% FOR BIOCHEMISTRY

Reagent for organic elementary analysis. Niacinamide; Nicotinic acid amide; Pyridine-3-carboxylic acid amide; Vitamin B3; Vitamin PP

Product Code.	02906	Grade	
Purity	99%	CAS No.	98-92-0
Molecular Formula	C6H6N2O	Molecular Weight	122.13
H.S.Code	2936.29200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystalline	Odour	Odorless
pH value	9	Melting point/ Freezing point [°C]	128 - 131 °C	Decomposition point [°C]	>=200 °C
Auto-ignition temperature [°C]	480 °C	Flash point [°C]	150 °C	Boiling point [°C]	150 - 160°C
Initial boiling point [°C]	150 °C	Final boiling point [°C]	160°C	Vapour density	4.22
Density [g/cm3]	1.4	Solubility in water [% weight]	691 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	-0.38

Packaging

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Specification

Appearance	White crystalline powder
Assay (by HClO4 titration)	99 - 101%
Melting range	128 - 131 deg C
Chloride (Cl)	Max 0.002%

Heavy metal (as Pb)	Max 0.003%
Nicotinic acid	Max 0.2%
Loss on drying (at 105°C)	Max 0.2%

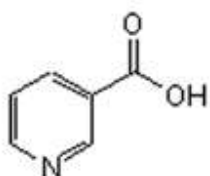
Safety Information and Hazard Symbols


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

NICOTINIC ACID 99.5% EXTRAPURE

Confirms to USP 3-Picolinic acid, Niacin, Pellagra preventive factor, Pyridine-3-carboxylic acid, Vitamin B3

Product Code.	01825	Grade	Extrapure
Purity	99.5%	CAS No.	59-67-6
Molecular Formula	C6H5NO2	Molecular Weight	123.11
H.S.Code	2936.29200	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Odorless
pH value	3.4 at 10 g/l at 20 °C	Melting point/ Freezing point [°C]	236.6°C	Auto-ignition temperature [°C]	> 365 °C
Flash point [°C]	193 °C	Density [g/cm3]	1.467	Solubility in water [% weight]	15 g/l at 20 °C
Partition coefficient Log Pow octanol / water at 20°C	-0.59				

Packaging

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Specification

Appearance	White or creamy white powder
Assay (acidimetric; on dried basis)	99.5 - 100.5%
Solubility	To comply IP
Identification	To comply IP tests

Heavy metal (as Pb)	Max 0.002%
Chloride (Cl)	Max 0.025%
Sulphated ash	Max. 0.1%
Loss on drying (at 105°C)	Max.1.0%

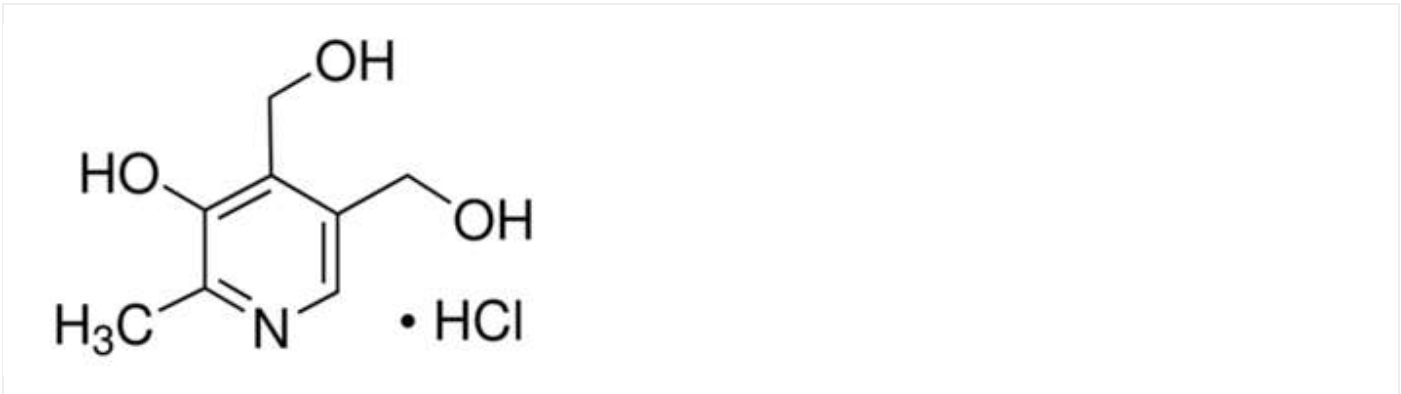
Safety Information and Hazard Symbols


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

PYRIDOXINE HYDROCHLORIDE 99.5% FOR BIOCHEMISTRY

Vitamin B6

Product Code.	02226	Grade	
Purity	99%	CAS No.	58-56-0
Molecular Formula	C8H12ClNO3	Molecular Weight	205.64
H.S.Code	2936.25000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	pH value	3.2
Melting point/ Freezing point [°C]	214 - 215 °C	Vapour density	7.1	Density [g/cm3]	0.8
Solubility in water [% weight]	Soluble in water				

Packaging

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Specification

Appearance	White or off-white powder
Assay	Min 99%
Melting point	202 - 206°C
Loss on drying	Max 0.2%

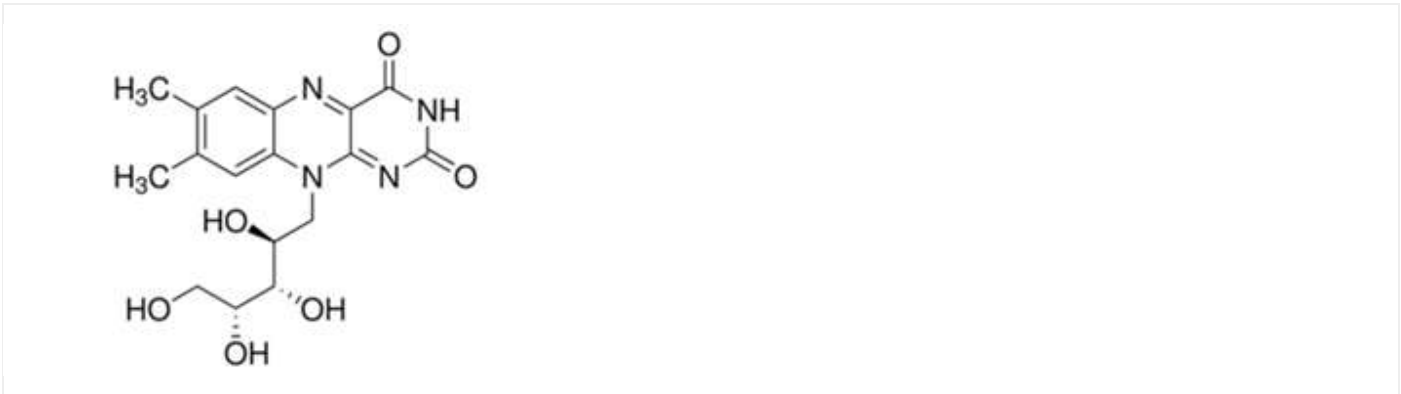
Safety Information and Hazard Symbols

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RIBOFLAVIN 99% FOR BIOCHEMISTRY

Confirms to BP Vitamin B2

Product Code.	02256	Grade	For Biochemistry
Purity	99%	CAS No.	83-88-5
Molecular Formula	C17H20N4O6	Molecular Weight	376.37
H.S.Code	2936.23100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Orange yellow powder	Odour	Slight odour
pH value	6	Melting point/ Freezing point [°C]	280°C		

Packaging

Specification

Appearance	A yellow to orange yellow crystalline powder
Solubility	Very slightly soluble in water, practically insoluble in ethanol (96 per cent)
Assay (spectrophotometric; on dried basis)	98 - 101%
Identification 'A' & 'B'	To pass IP tests
pH	5.5 to 7.2
Specific optical rotation	-115° to -135°
Light absorption	-

at A373 nm/A267 nm	0.31 - 0.33
at A444 nm/A267 nm	0.36 - 0.39
Lumiflavine	To pass IP test
Loss on drying (at 105°C)	Max 1.5%
Sulphated ash	Max 0.1%

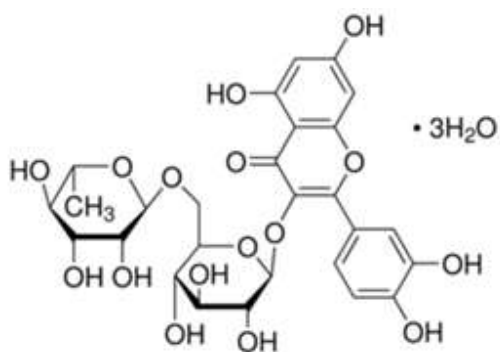
Safety Information and Hazard Symbols

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RUTIN TRIHYDRATE FOR BIOCHEMISTRY

Vitamin P

Product Code.	02268	Grade	
Purity		CAS No.	250249-75-3
Molecular Formula	C ₂₇ H ₃₀ O ₁₆ ·3H ₂ O	Molecular Weight	664.58
H.S.Code	2938.10000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow crystalline powder	Melting point/ Freezing point [°C]	214°C
Solubility in water [% weight]	Insoluble in water				

Specification

Appearance	Yellow crystalline powder, darkens on exposure to light
Melting point	About 210°C
Absorption maxima (0.05% in methanol)	259 & 362 nm

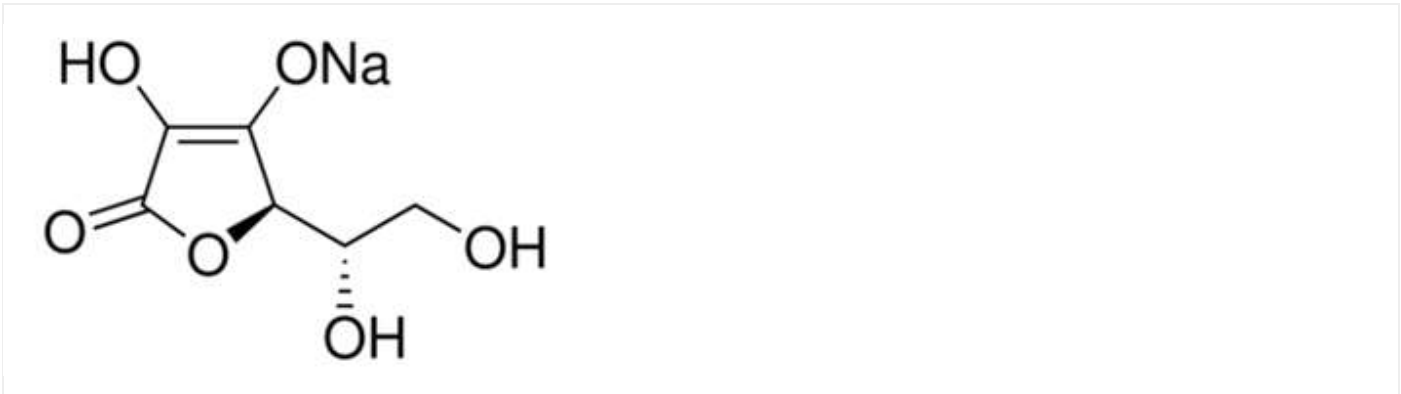
Safety Information and Hazard Symbols

Symbol: GHS07 Signal Word: Warning Hazardous Statement: H302

SODIUM L (+) ASCORBATE 99% EXTRAPURE

Confirms to USP L(+)-Ascorbic acid sodium salt, Vitamin C salt

Product Code.	02356	Grade	
Purity	99%	CAS No.	134-03-2
Molecular Formula	C6H7NaO6	Molecular Weight	198.11
H.S.Code	2936.27000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to light brownish or faintly yellow	Odour	Odorless
Melting point/ Freezing point [°C]	200°C	Density [g/cm3]	1.66	Solubility in water [% weight]	62 g/100 ml @ 250C

Packaging

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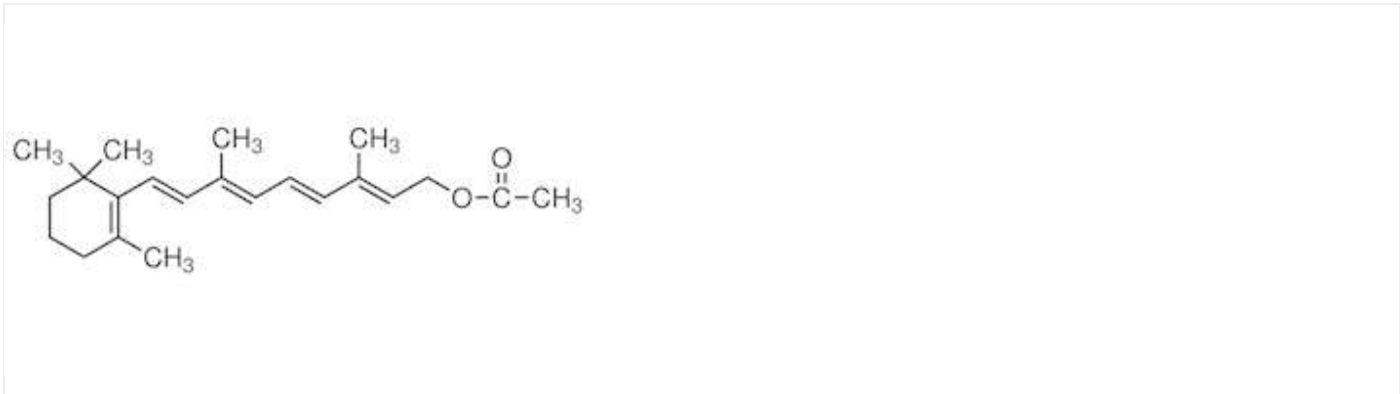
Specification

Appearance	White to light brownish or faintly yellow crystal or crystalline powder
Assay	99 - 101%
Specific optical rotation ([?]20/D)	+103.0 to +108.0 deg
pH (10% solution in water)	7.0 - 8.0
Loss on dryig (at 60°C)	Max 0.25%
Heavy metal (as Pb)	Max 0.002%

VITAMIN A ACETATE FOR BIOCHEMISTRY

Retinol acetate

Product Code.	02830	Grade	
Purity		CAS No.	127-47-9
Molecular Formula	C22H32O2	Molecular Weight	328.50
H.S.Code	2936.21000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow powder	Odour	Amine like
Melting point/ Freezing point [°C]	57 - 58 °C	Solubility in water [% weight]	Insoluble in water		

Packaging



Specification

Appearance	Yellow colored powder
Potency	500000 IU/g

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

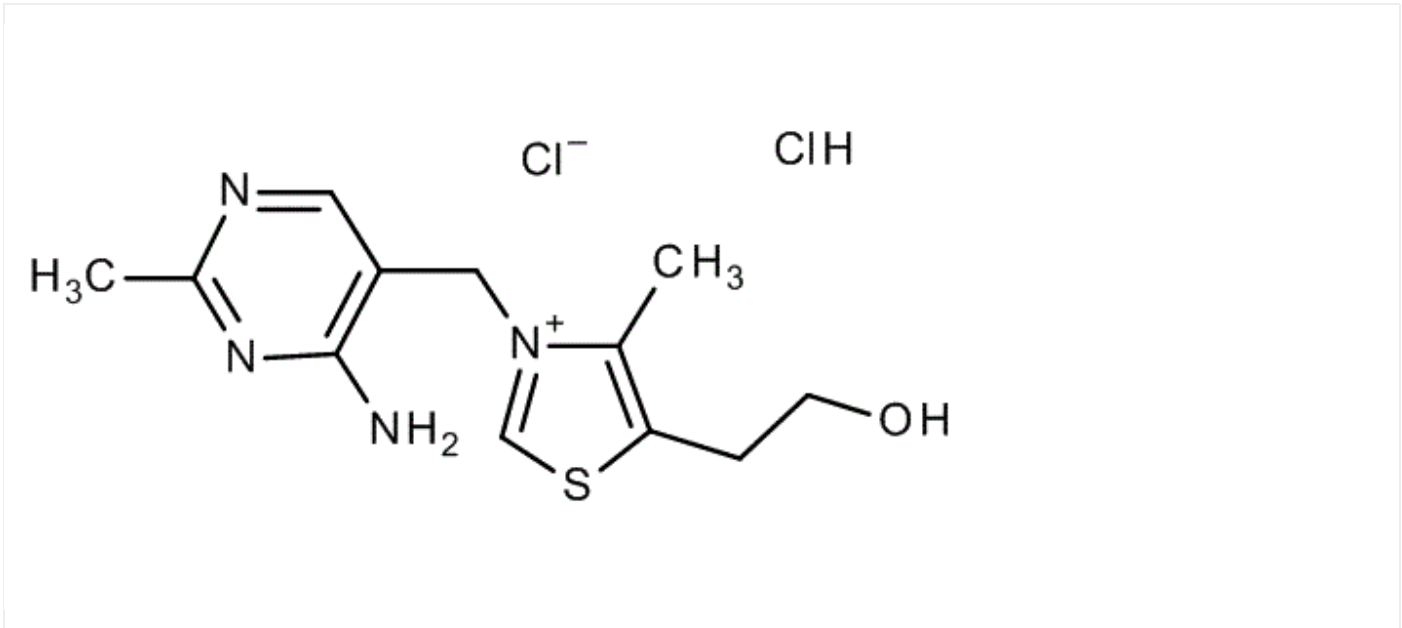
Hazardous Statement: H315-H361

Precaution Statement: P281

VITAMIN B1 98.5% FOR BIOCHEMISTRY (THIAMINE HYDROCHLORIDE)

Aneurine hydrochloride, Vitamin B1 hydrochloride ;thiamine hydrochloride

Product Code.	02831	Grade	
Purity	99%	CAS No.	67-03-8
Molecular Formula	C12H17ClN4OS.HCl	Molecular Weight	337.27
H.S.Code	2936.22100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Melting point/ Freezing point [°C]	250 °C
Solubility in water [% weight]	Soluble in water				

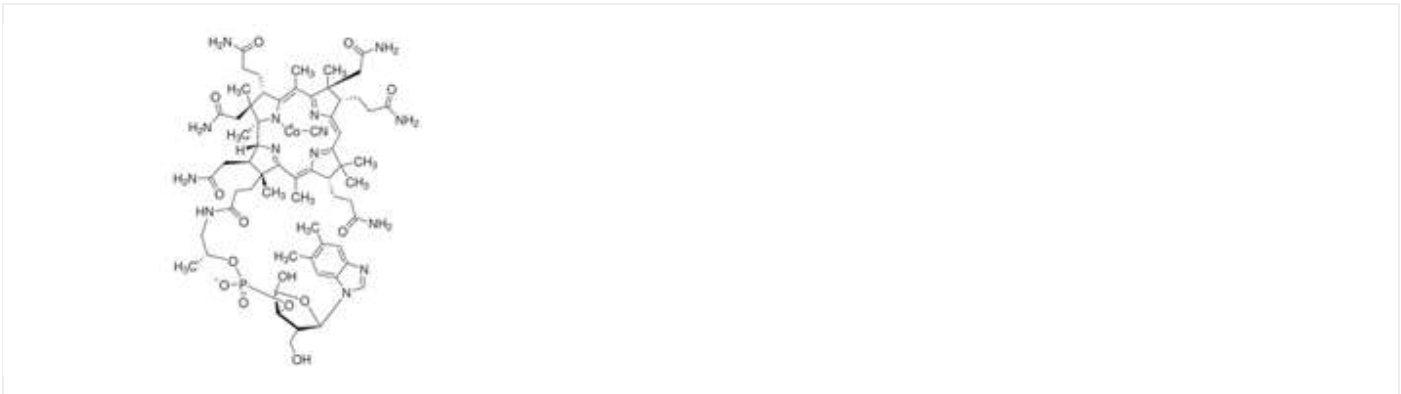
Specification

Appearance	White powder
Assay (titration; on dried basis)	98.5 -101.5%
Loss on drying (at 105°C)	Max 5.0%

VITAMIN B12 98% FOR BIOCHEMISTRY

cyanocobalamine

Product Code.	02832	Grade	
Purity	96%	CAS No.	68-19-9
Molecular Formula	C63H88CON14O14P	Molecular Weight	1355.40
H.S.Code	2936.26100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark red	Melting point/ Freezing point [°C]	300 °C
Solubility in water [% weight]	Moderately soluble in water				

Packaging

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Specification

Appearance	Dark red crystalline powder.
Assay	96 - 100.5%
Relative absorption	
at 361 nm/278 nm	1.70 - 1.90
at 361 nm/550 nm	3.15 - 3.40
Arsenic (As)	Max 0.0003%
Copper (Cu)	Max 0.0025%
Lead (Pb)	Max 0.001%

Zinc (Zn)	Max 0.0025%
Related Substances	Max 3.0%
Methanol (GC,area %)	Max 0.3%
Loss on drying	Max 12%

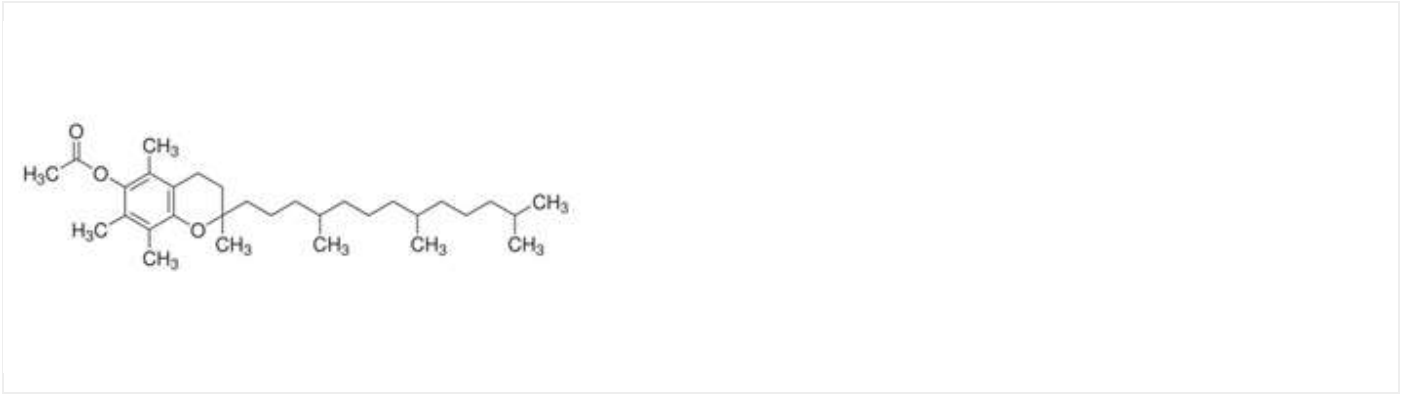
Safety Information and Hazard Symbols

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VITAMIN E-ACETATE 99%

Confirming to Ph.Eur, USP. Vitamin E acetate; all-rac-a-Tocopheryl acetate ; (DL-alpha-tocopherol acetate)

Product Code.	02835	Grade	
Purity	99%	CAS No.	7695-91-2
Molecular Formula	C31H52O3	Molecular Weight	472.74
H.S.Code	2936.28000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear yellow viscous liquid	Odour	Odorless
Melting point/ Freezing point [°C]	10°C	Flash point [°C]	> 113 °C	Boiling point [°C]	224 °C
Vapour density	16.3	Density [g/cm3]	0.96	Solubility in water [% weight]	Insoluble in water

Packaging

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Specification

Appearance	A clear yellow viscous liquid
Purity (by GC)	96.0-102.0%
Identification	Passes test
Optical rotation	-0.01 to +0.01°
Acidity	Passes test

Related Substances	Passes test
Arsenic (As)	Max 0.0001%
Lead (Pb)	Max 0.0002%
Cadmium (Cd)	Max 0.0001%
Mercury (Hg)	Max 0.00001%
Zinc (Zn)	Max 0.001%
Heavy metal	Max 0.001%
Residual solvents	Passes test

Safety Information and Hazard Symbols

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