

Фенолы и производные

Технические характеристики

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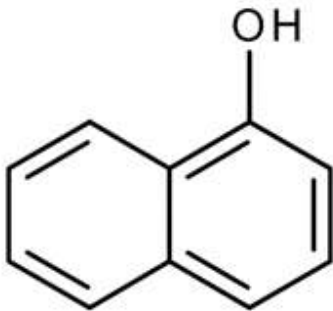
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1-NAPHTHOL 98% EXTRAPURE
a-Naphthol, 1-Hydroxynaphthalene ;1-naphtol

Product Code.	01777	Grade	Extrapure
Purity	98%	CAS No.	90-15-3
Molecular Formula	C10H8O	Molecular Weight	144.17
H.S.Code	2907.15100	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white to brownish	Odour	Slight phenolic odor
Melting point/ Freezing point [°C]	94 - 96 °C	Flash point [°C]	125 °C	Boiling point [°C]	278 - 280 °C
Initial boiling point [°C]	278°C	Final boiling point [°C]	280 °C	Vapour pressure mm/Hg	1 mm Hg @ 940C
Vapour density	4.5	Solubility in water [% weight]	Practically insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.85
Explosion limits - upper [%]	5%	Explosion limits -lower [%]	0.80%		

Packaging

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Specification

Appearance	Off-white to brownish flakes
Assay	Min 98.0%
Melting point	94 - 96 °C

Sulphated ash

Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 2811

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H302-H312-H315-H318-H335

Precaution Statement: P261-P280-P305 + P351 + P338

1-NAPHTHOL 99% AR

a-Naphthol, 1-Hydroxynaphthalene

Product Code.	01778	Grade	
Purity	99%	CAS No.	90-15-3
Molecular Formula	C10H8O	Molecular Weight	144.17
H.S.Code	2907.15100	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white to brownish	Odour	Slight phenolic odor
Melting point/ Freezing point [°C]	94 - 96 °C	Flash point [°C]	125 °C	Boiling point [°C]	278 - 280 °C
Initial boiling point [°C]	278°C	Final boiling point [°C]	280 °C	Vapour pressure mm/Hg	1 mm Hg @ 940C
Vapour density	4.5	Solubility in water [% weight]	Practically insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	2.85
Explosion limits - upper [%]	5%	Explosion limits -lower [%]	0.80%		

Packaging

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Specification

Appearance	Off-white to brownish flakes
Assay	Min 99%
Melting point	95 - 97 deg C

Insoluble matter in methanol	Max 0.01%
Iron (Fe)	Max 0.001%
Chloride (Cl)	Max 0.005%
Heavy metal (as Pb)	Max 0.001%
2-Naphthol	Max 0.2%
Naphthalene	Max 0.2%
Water (H ₂ O)	Max 0.2%
Sulphated ash	Max 0.01%

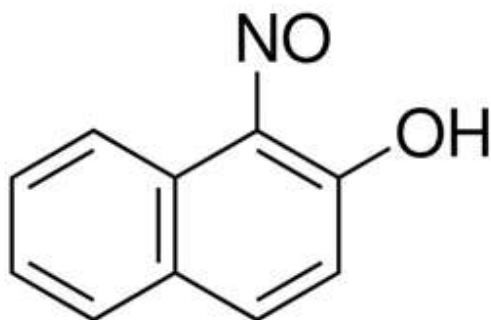
Safety Information and Hazard Symbols

 
Symbol: GHS05, GHS07 Signal Word: Danger UN No.: 2811 IMCO Class No.: 6.1 Packing Group: III Hazardous Statement: H302-H312-H315-H318-H335 Precaution Statement: P261-P280-P305 + P351 + P338

1-NITROSO-2-NAPHTHOL 97%

a-nitroso-b-naphthol

Product Code.	01870	Grade	
Purity	97%	CAS No.	131-91-9
Molecular Formula	C ₁₀ H ₆ (OH).NO	Molecular Weight	173.17
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown Coloured powder	Melting point/ Freezing point [°C]	106 °C
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Specification

Appearance	Brown colored powder
Assay	97.0%
Identity (IR)	Passes test
Melting point	104-108°C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

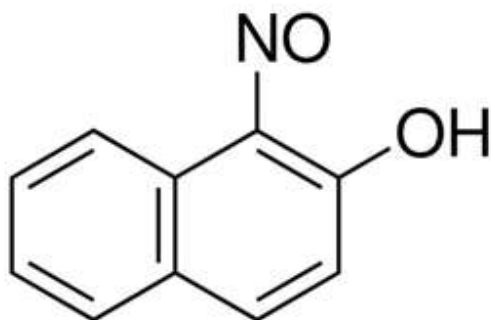
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

1-NITROSO-2-NAPHTHOL 98% AR

Metal Reagent and Micro Reagent.; (a-nitroso-b-naphthol

Product Code.	01871	Grade	
Purity	98%	CAS No.	131-91-9
Molecular Formula	C10H6(OH).NO	Molecular Weight	173.17
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brown Coloured powder	Melting point/ Freezing point [°C]	106 °C
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Specification

Appearance	Brown colored powder
Assay	Min 98.0%
Identity (IR)	Passes test
Melting point	104-108°C
Sulphated ash	Max 0.2%
Sensitivity	Passes test

Safety Information and Hazard Symbols

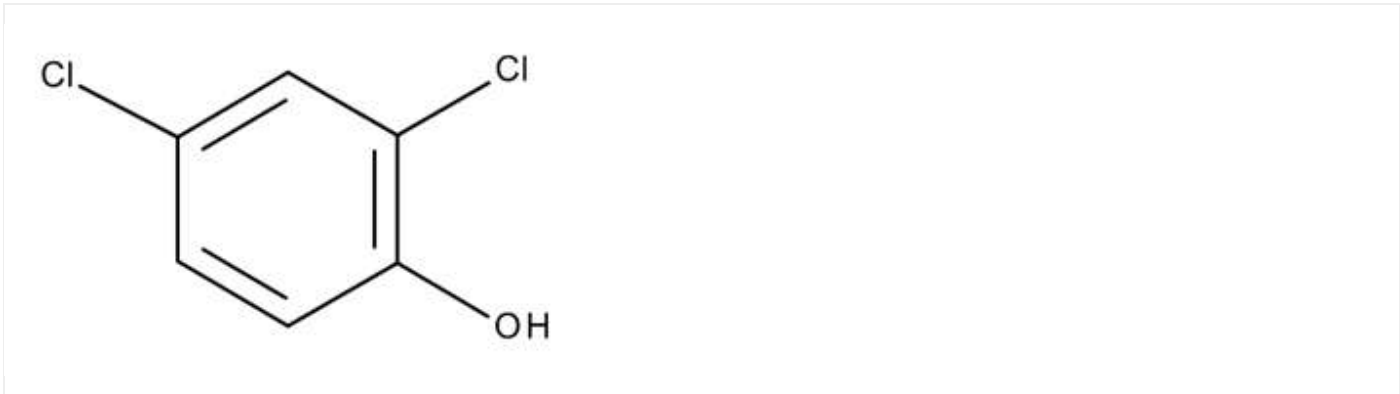


Symbol: GHS07
Signal Word: Warning
Hazardous Statement: H302-H315-H319-H335
Precaution Statement: P261-P305 + P351 + P338

2,4-DICHLOROPHENOL 98% FOR SYNTHESIS

2,4-Dichlorohydroxybenzene; 2,4-DCP

Product Code.	00971	Grade	
Purity	98%	CAS No.	120-83-2
Molecular Formula	C6H4Cl2O	Molecular Weight	163.01
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystal	Odour	Phenolic odour
Melting point/ Freezing point [°C]	37 °C	Auto-ignition temperature [°C]	653°C	Flash point [°C]	104°C
Boiling point [°C]	209 - 210 °C	Initial boiling point [°C]	209°C	Final boiling point [°C]	210 °C
Vapour pressure [20°C]	0.12 mm Hg at 20 °C	Vapour pressure mm/Hg	0.12 mm Hg 20 °C	Vapour density	5.6
Density [g/cm3]	1.382	Solubility in water [% weight]	Slightly soluble	Partition coefficient Log Pow octanol / water at 20°C	3.06

Packaging

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Specification

Appearance	White crystals/crystalline powder
Assay	Min 98%
Melting range	40 - 43 deg C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS09

Signal Word: Danger

UN No.: 2928

IMCO Class No.: 6.1

Packing Group: II

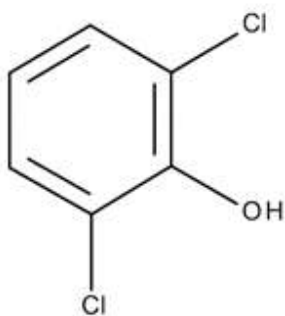
Hazardous Statement: H302-H311-H314-H411

Precaution Statement: P273-P280-P305 + P351 + P338-P310

2,6-DICHLOROPHENOL 98% FOR SYNTHESIS

1-Hydroxy-2,6-dichlorobenzene.

Product Code.	00972	Grade	
Purity	98%	CAS No.	87-65-0
Molecular Formula	C6H4Cl2O	Molecular Weight	163.01
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White crystals	Melting point/ Freezing point [°C]	64 - 66 °C
Boiling point [°C]	218 - 220 °C	Initial boiling point [°C]	218°C	Final boiling point [°C]	220 °C
Vapour pressure [20°C]	0.036 mm Hg at 20 °C	Vapour pressure mm/Hg	0.036 mm Hg at 20 °C	Solubility in water [% weight]	Insoluble

Specification

Appearance	Colourless to yellowish crystals
Assay	Min 98%
Melting range	62 - 65 deg C

Safety Information and Hazard Symbols



Symbol: GHS05

Signal Word: Danger

UN No.: 2020

IMCO Class No.: 6.1

Packing Group: III

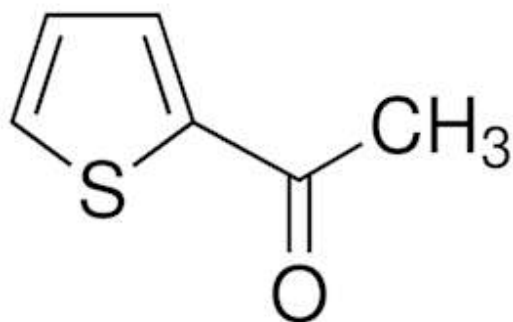
Hazardous Statement: H314

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

2-ACETYLTHIOPHENE 98% FOR SYNTHESIS

Methyl-2-thienyl ketone

Product Code.	00052	Grade	
Purity	98%	CAS No.	88-15-3
Molecular Formula	C ₆ H ₆ OS	Molecular Weight	126.18
H.S.Code	2934.99000	Shelf Life	60 Months



Physical Properties

Packaging



Specification

Appearance	Clear colourless to pale yellow to pale brown liquid
Assay (GC area %)	Min 97.5%
Identity (IR)	Passes test
Density (d ₂₀ °C/4°C)	1.169 - 1.172

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Danger

UN No.: 2810

IMCO Class No.: 6.1

Packing Group: II

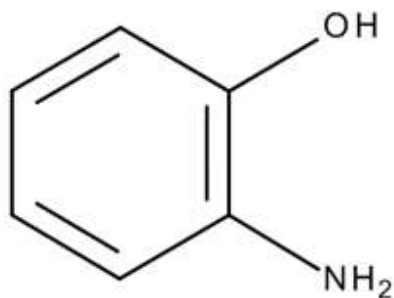
Hazardous Statement: H300-H311-H331

Precaution Statement: P261-P264-P280-P301 + P310-P311

2-AMINOPHENOL 99% EXTRAPURE

2-Amino Phenol, 2-Hydroxyaniline

Product Code.	00165	Grade	
Purity	Min. 99%	CAS No.	95-55-6
Molecular Formula	C6H7NO	Molecular Weight	109.13
H.S.Code	2922.29900	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to grayish brown or brown color powder	pH value	6.5 - 7.5 at 10 g/l at 20 °C
Melting point/ Freezing point [°C]	170 - 175 °C	Boiling point [°C]	164 °C	Vapour pressure mm/Hg	0.01 mm Hg @ 25 deg C
Density [g/cm3]	1.328	Solubility in water [% weight]	Slightly soluble	Partition coefficient Log Pow octanol / water at 20°C	0.52-0.62

Packaging



Specification

Appearance	White to grayish brown or brown color powder
Assay	Min 99.0%

Melting range

173.0-176.0°C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

UN No.: 2512

IMCO Class No.: 6.1

Packing Group: III

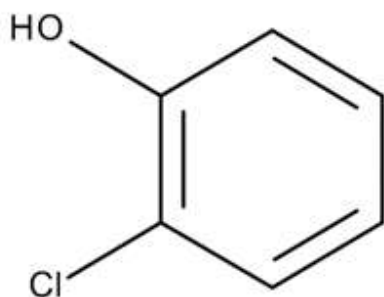
Hazardous Statement: H302-H332-H341

Precaution Statement: P281

2-CHLOROPHENOL 98% FOR SYNTHESIS

o-Chlorophenol; 2-Hydroxychlorobenzene; 1-Chloro-2-hydroxybenzene ; (2-Chloro Phenol)

Product Code.	00780	Grade	For Synthesis
Purity	98%	CAS No.	95-57-8
Molecular Formula	Cl.C6H4.OH	Molecular Weight	128.56
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Light yellow	Odour	Unpleasant
Odour threshold	1.24 ppm	Melting point/ Freezing point [°C]	8 °C	Flash point [°C]	64°C
Boiling point [°C]	175 - 176 °C	Initial boiling point [°C]	175°C	Final boiling point [°C]	176 °C
Vapour pressure [20°C]	0.3 kPa (@ 20°C)	Vapour density	4.4	Density [g/cm3]	1.241
Solubility in water [% weight]	Insoluble	Partition coefficient Log Pow octanol / water at 20°C	2.17		

Packaging

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Specification

Appearance	Clear light yellow to brown liquid
Assay (GC area %)	Min. 98.0%
Weight/ mL at 20°C	1.261 - 1.265 g

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2021

IMCO Class No.: 6.1

Packing Group: III

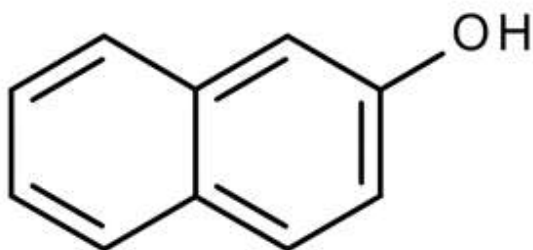
Hazardous Statement: H302-H312-H332-H411

Precaution Statement: P273-P280

2-NAPHTHOL 99% AR

β-Naphthol; 2-Hydroxynaphthalene ; 2-naphthol

Product Code.	01780	Grade	AR
Purity	99%	CAS No.	135-19-3
Molecular Formula	C10H8O	Molecular Weight	144.17
H.S.Code	2907.15200	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white flakes	Melting point/ Freezing point [°C]	121 - 122 °C
Flash point [°C]	153 °C	Boiling point [°C]	285 - 286 °C	Initial boiling point [°C]	285°C
Final boiling point [°C]	286 °C	Vapour pressure mm/Hg	13 mm Hg at 145.5 °C	Vapour density	4.98
Density [g/cm3]	1.22	Solubility in water [% weight]	Slightly soluble in water		

Packaging

Specification

Appearance	Off White to Beige or Light Brown Color Powder or Flakes
Assay	Min 99.0%
Melting point	121 - 123°C
Chloride (Cl)	Max 0.005%

Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.001%
1-Naphthol	Max 0.1%
Naphthalene	Max 0.1%
Sulphated ash	Max 0.01%
Water (H2O)	Max 0.2%

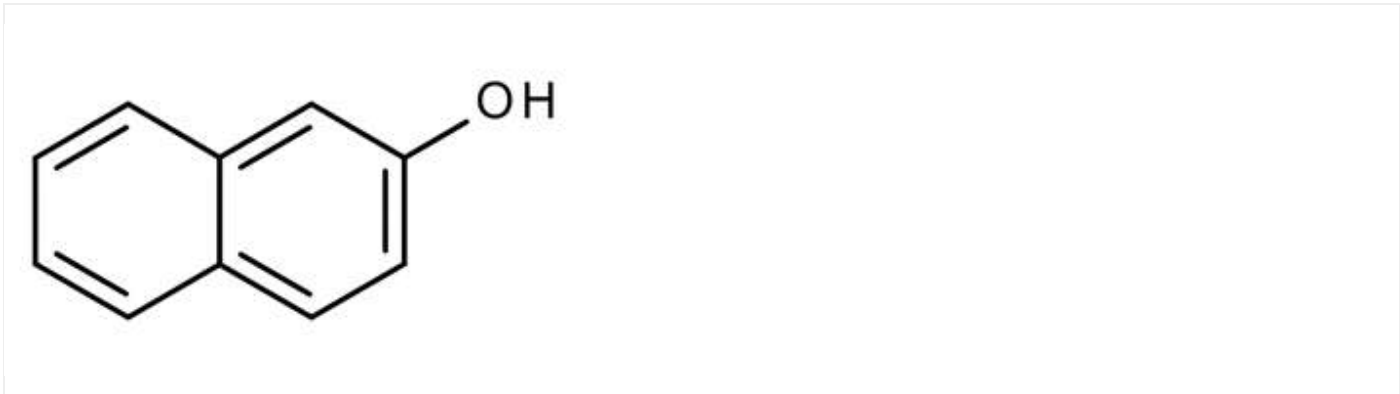
Safety Information and Hazard Symbols


Symbol: GHS07, GHS09 Signal Word: Warning UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H302-H332-H400 Precaution Statement: P273

2-NAPHTHOL 99% FOR SYNTHESIS

β-Naphthol; 2-Hydroxynaphthalene ; 2-naphthol

Product Code.	01779	Grade	For Synthesis
Purity	99%	CAS No.	135-19-3
Molecular Formula	C10H8O	Molecular Weight	144.17
H.S.Code	2907.15200	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Off white flakes	Melting point/ Freezing point [°C]	121 - 122 °C
Flash point [°C]	153 °C	Boiling point [°C]	285 - 286 °C	Initial boiling point [°C]	285°C
Final boiling point [°C]	286 °C	Vapour pressure mm/Hg	13 mm Hg at 145.5 °C	Vapour density	4.98
Density [g/cm3]	1.22	Solubility in water [% weight]	Slightly soluble in water		

Packaging

Specification

Appearance	Off White to Beige or Light Brown Color Powder or Flakes
Assay	Min 99.0%
Melting point	120 - 123°C
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

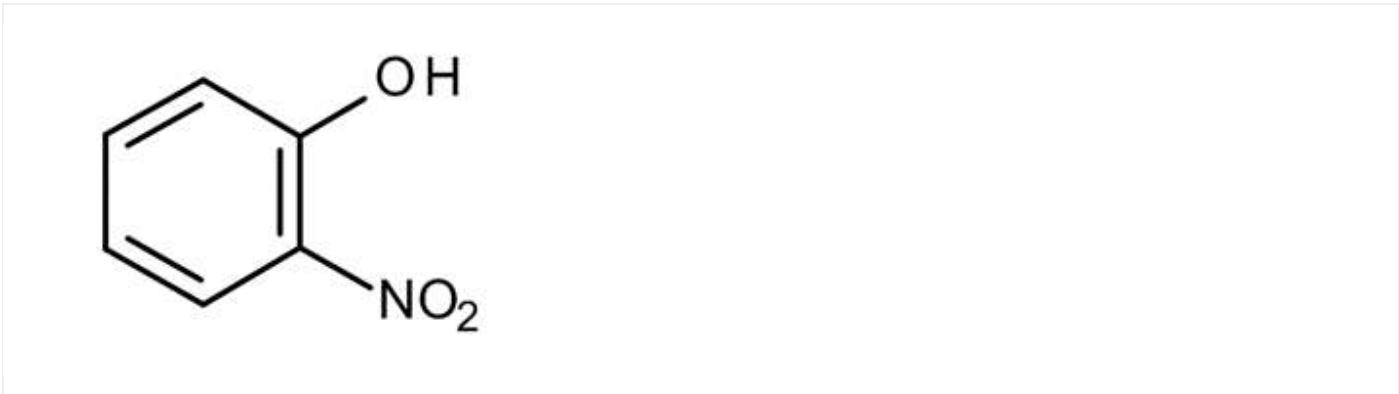
Hazardous Statement: H302-H332-H400

Precaution Statement: P273

2-NITROPHENOL 98.5% EXTRAPURE

2-Nitrophenol

Product Code.	01863	Grade	Extrapure
Purity	98.5%	CAS No.	88-75-5
Molecular Formula	C6H5NO3	Molecular Weight	139.11
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Light Yellow	Odour	Aromatic odor
Melting point/ Freezing point [°C]	45.0 °C	Flash point [°C]	102.0 °C	Boiling point [°C]	214°C
Vapour pressure mm/Hg	1.3 hPa (1.0 mmHg) at 49.3 °C	Density [g/cm3]	1.49	Solubility in water [% weight]	Soluble in water

Packaging

Specification

Appearance	Yellow to green to brown crystal or powder or crystalline powder or lumps or fused solid or flakes
Assay	Min 98.5%
Melting point	43 - 47°C

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

UN No.: 1663

IMCO Class No.: 6.1

Packing Group: III

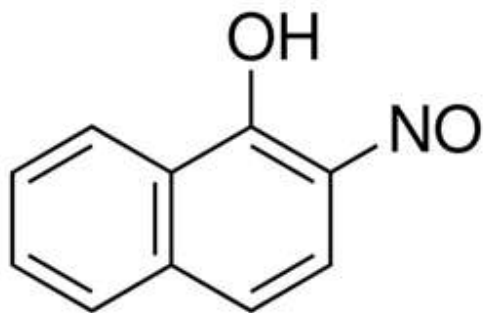
Hazardous Statement: H302-H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

2-NITROSO-1-NAPHTHOL 98% AR

Reagent for cobalt and zirconium

Product Code.	01872	Grade	
Purity	98%	CAS No.	132-53-6
Molecular Formula	C ₁₀ H ₇ NO ₂	Molecular Weight	173.17
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Dark greenish brown	Odour	Odorless
Melting point/ Freezing point [°C]	150 - 155 °C	Solubility in water [% weight]	Slightly soluble in water		

Specification

Appearance	A dark greenish brown powder
Assay	Min 98%
Loss on drying	Max 3%

Safety Information and Hazard Symbols



Symbol: GHS07

Signal Word: Warning

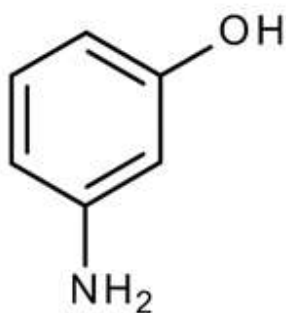
Hazardous Statement: H315-H319-H335

Precaution Statement: P261-P305 + P351 + P338

3-AMINOPHENOL 99% EXTRAPURE

m-Aminophenol; 3-Hydroxyaniline; 3-Amino-1-hydroxybenzene

Product Code.	00164	Grade	
Purity	Min. 99%	CAS No.	591-27-5
Molecular Formula	C6H7NO	Molecular Weight	109.13
H.S.Code	2922.29120	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Greyish white flakes	Odour	odorless
Melting point/ Freezing point [°C]	120 - 124 °C	Flash point [°C]	155°C	Boiling point [°C]	164 °C
Solubility in water [% weight]	Soluble in hot water				

Packaging



Specification

Appearance	White to pink to light grey flakes, powder, granules or crystals
Assay (by HClO4 titration)	Min 99.0%
Melting range	120.0-124.0 degC

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2512

IMCO Class No.: 6.1

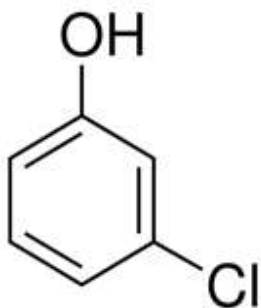
Packing Group: III

Hazardous Statement: H302-H332-H411

Precaution Statement: P273

3-CHLOROPHENOL 98.5% FOR SYNTHESIS

Product Code.	00779	Grade	
Purity	98%	CAS No.	108-43-0
Molecular Formula	C6H5ClO	Molecular Weight	128.56
H.S.Code	2908.19000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solidified mass or fragments	Colour	Yellow	Melting point/ Freezing point [°C]	31 - 34
Flash point [°C]	120	Initial boiling point [°C]	214	Relative density, gas (air=1)	1.218 g/cm3 at 25 °C
Solubility in water [% weight]	25 g/l	Partition coefficient Log Pow octanol / water at 20°C	log Pow: 2,5log Pow: 5		

Packaging

Specification

Appearance	Clear yellow to brownish liquid after melting
Assay (GC area %)	Min 99.0%
Identity (IR)	Conforms to structure

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2020

IMCO Class No.: 6.1

Packing Group: III

Hazardous Statement: H302-H312-H332-H411

Precaution Statement: P273-P280

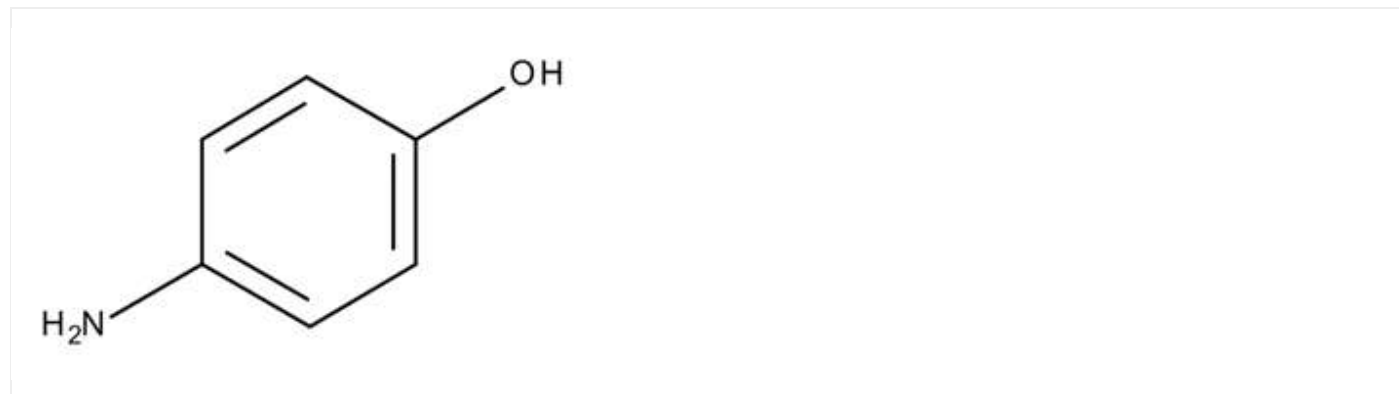
Risk Statement: 20/21/22-51/53

Safety Statement: 28-61

4-AMINOPHENOL 98% EXTRAPURE

4-Hydroxyaniline ; 4-Amino Phenol

Product Code.	00166	Grade	
Purity	98%	CAS No.	123-30-8
Molecular Formula	C6H7NO	Molecular Weight	109.13
H.S.Code	2922.29130	Shelf Life	36 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White to off white	Melting point/ Freezing point [°C]	186 - 189 °C
Decomposition point [°C]	284 °C	Flash point [°C]	188°C	Vapour pressure [20°C]	0.075 mm Hg at 20 °C
Vapour pressure mm/Hg	0.075 mm Hg at 20 °C	Solubility in water [% weight]	1.5 g/100 ml in water	Partition coefficient Log Pow octanol / water at 20°C	0.04

Packaging



Specification

Appearance	White to cream to beige to light brown crystals or granules or powder
Assay (by GC)	Min. 98.0%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Warning

UN No.: 2512

IMCO Class No.: 6.1

Packing Group: III

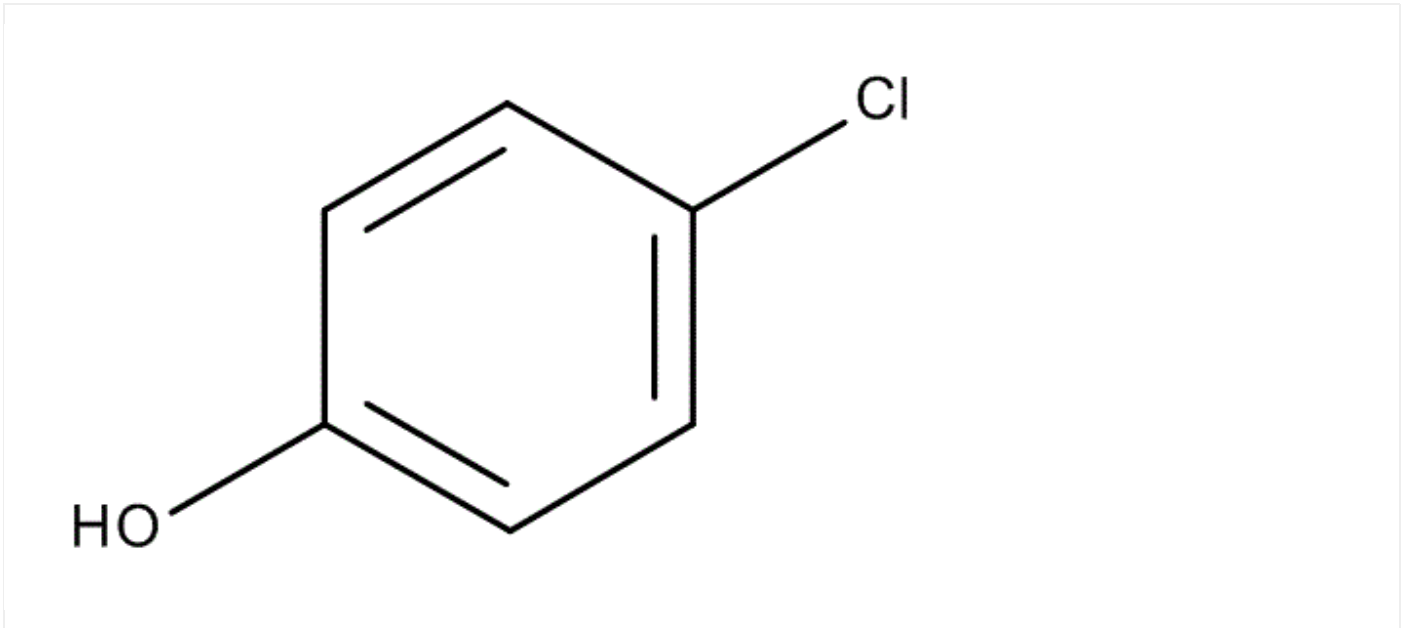
Hazardous Statement: H302-H332-H341-H410

Precaution Statement: P273-P281-P501

4-CHLOROPHENOL 98% FOR SYNTHESIS

p-Chlorophenol; 4-Hydroxychlorobenzene; 1-Chloro-4-hydroxybenzene ; (4-chloro phenol)

Product Code.	00781	Grade	
Purity	98%	CAS No.	106-48-9
Molecular Formula	Cl.C6H4.OH	Molecular Weight	128.56
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Phenolic like
Odour threshold	30 ppm	Melting point/ Freezing point [°C]	44°C	Flash point [°C]	121 °C
Boiling point [°C]	220°C	Vapour density	4.43	Density [g/cm3]	1.306
Solubility in water [% weight]	Slightly soluble	Partition coefficient Log Pow octanol / water at 20°C	2.39		

Packaging

Specification

Appearance	Colourless or white to light brown crystals or fused mass
Assay	Min 98.0%

Melting point

41 - 45 deg C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 2020

IMCO Class No.: 6.1

Packing Group: III

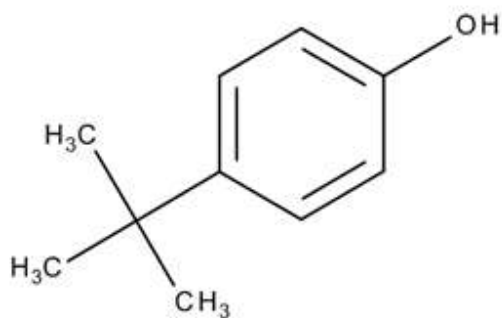
Hazardous Statement: H302-H312-H332-H411

Precaution Statement: P273-P280

4-TERT-BUTYLPHENOL 98% FOR SYNTHESIS

p-tert-Butylphenol

Product Code.	00584	Grade	
Purity	98%	CAS No.	98-54-4
Molecular Formula	C ₁₀ H ₁₄ O	Molecular Weight	150.22
H.S.Code	2907.19900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White scales	Melting point/ Freezing point [°C]	96 - 101 °C
Flash point [°C]	113 °C	Boiling point [°C]	236 - 238 °C	Initial boiling point [°C]	236 °C
Final boiling point [°C]	236 - 238 °C	Density [g/cm ³]	0.908	Solubility in water [% weight]	0.6 g/L water (20°C)
Partition coefficient Log Pow octanol / water at 20°C	3.29				

Packaging



Specification

Appearance	White to light beige Powder, Flakes, pastilles
Assay	Min 98%

Melting range

96 - 100°C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS09

Signal Word: Danger

UN No.: 3077

IMCO Class No.: 9

Packing Group: III

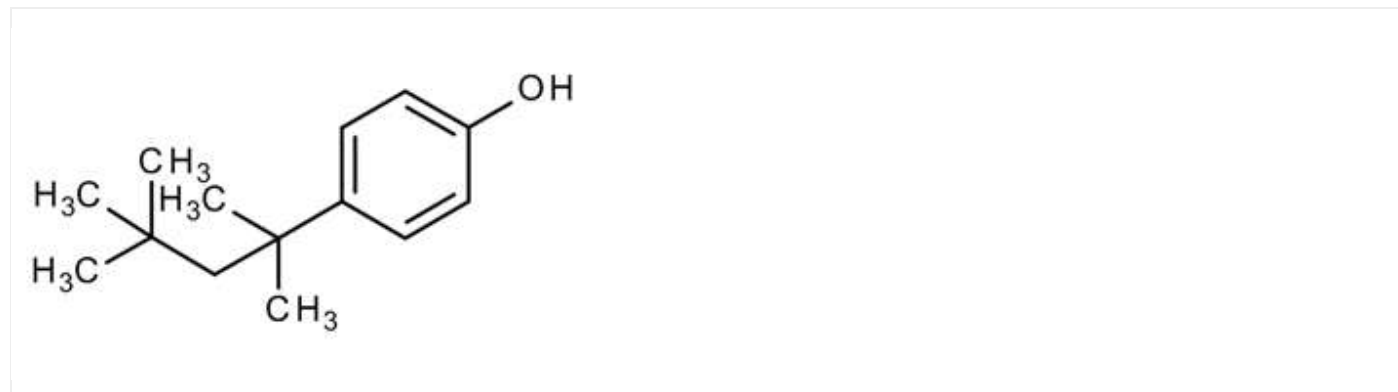
Hazardous Statement: H315-H318-H335-H411

Precaution Statement: P261-P273-P280-P305 + P351 + P338

4-TERT-OCTYLPHENOL FOR SYNTHESIS

Insoluble in water 4-(1,1,3,3-Tetramethylbutyl)phenol

Product Code.	01887	Grade	
Purity	97%	CAS No.	140-66-9
Molecular Formula	C ₁₄ H ₂₂ O	Molecular Weight	206.33
H.S.Code	2907.13000	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White flakes	pH value	6 at 10 g/l at 20 °C
Melting point/ Freezing point [°C]	79 - 82 °C	Flash point [°C]	145 °C	Boiling point [°C]	175 °C
Density [g/cm ³]	0.912	Partition coefficient Log Pow octanol / water at 20°C	3.7		

Specification

Appearance	White floppy flakes
Melting point	79 - 82 deg C

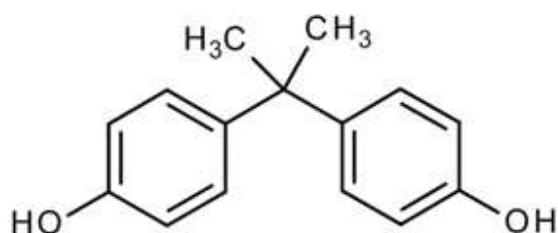
Safety Information and Hazard Symbols


Symbol: GHS05, GHS09 Signal Word: Danger UN No.: 3077 IMCO Class No.: 9 Packing Group: III Hazardous Statement: H315-H318-H410 Precaution Statement: P273-P280-P305 + P351 + P338-P501

BISPHENOL A 98% FOR SYNTHESIS

For synthesis of tertiaryamines and guanidine with stearic hinderance. 2,2-Bis(4-hydroxyphenyl)propane, 4,4'-Isopropylidenediphenol

Product Code.	00437	Grade	For Synthesis
Purity	98%	CAS No.	80-05-7
Molecular Formula	C15H16O2	Molecular Weight	228.29
H.S.Code	2907.11900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	White powder	Odour	Phenol like
Melting point/ Freezing point [°C]	158 - 159 °C	Boiling point [°C]	220 °C	Density [g/cm3]	1.195
Solubility in water [% weight]	Insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	3.32		

Packaging



Specification

Appearance	White granules/powder
Assay	Min 98.0%
Melting range	154 - 156°C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS08

Signal Word: Danger

Hazardous Statement: H317-H318-H361

Precaution Statement: P280-P305 + P351 + P338

NONYL PHENOL ETHOXYLATE (9.5 MOLES)

9.5 moles

Product Code.	01878	Grade	
Purity		CAS No.	104-40-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	2909.49000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless	Odour	Phenol like
pH value	6 - 8	Flash point [°C]	> 113 °C	Boiling point [°C]	293 - 297 °C
Initial boiling point [°C]	293 °C	Final boiling point [°C]	297 °C	Density [g/cm3]	0.937
Solubility in water [% weight]	Slightly soluble in water				

Specification

Appearance	A clear colorless viscous liquid
Cloud point (1% in water)	54 - 60 deg C
pH (1% solution in water)	6 - 8
Active matter	Min 99%
Specific gravity (at 20/20°C)	~1.057

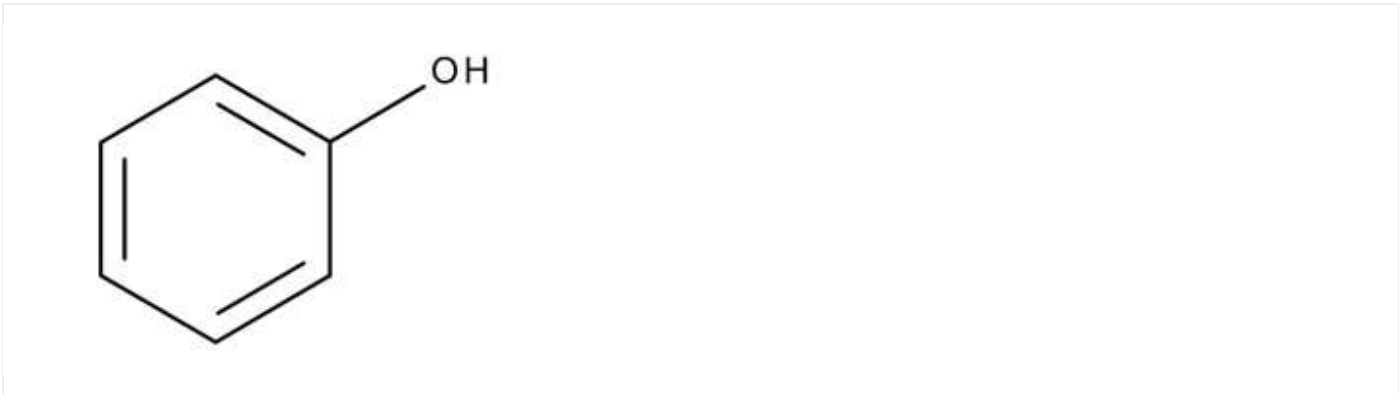
Safety Information and Hazard Symbols


Symbol: GHS05, GHS07, GHS08, GHS09 Signal Word: Danger UN No.: 3145 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H302-H314-H361fd-H410 Precaution Statement: P273-P280-P305 + P351 + P338-P310-P501

PHENOL CRYSTALS 99.5% AR

**Phenol turns pink on exposure to air and light. Hydroxybenzene; carbolic acid

Product Code.	01969	Grade	AR
Purity	99.5%	CAS No.	108-95-2
Molecular Formula	C6H5OH	Molecular Weight	94.11
H.S.Code	2907.11100	Shelf Life	60 Months



Physical Properties

Packaging

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Specification

Appearance	White crystals or crystalline flakes (turns pink on exposure to air and light)
Purity (by GC)	Min 99.5%
Solubility (5% in water)	Clear, Colorless Solution
Freezing point	40.5 - 41°C
Non volatile matter	Max 0.02%
Chloride (Cl)	Max 0.005%
Iron (Fe)	Max 0.0001%
Lead (Pb)	Max 0.001%
Water (H2O)	Max 0.5%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 1671

IMCO Class No.: 6.1

Packing Group: II

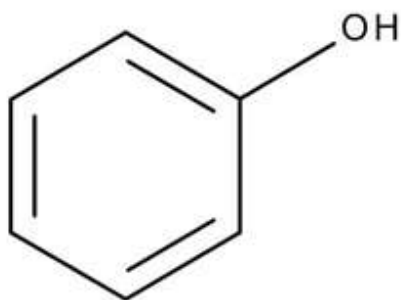
Hazardous Statement: H301-H311-H314-H331-H341-H373

Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338-P310

PHENOL CRYSTALS 99% EXTRAPURE

**Phenol turns pink on exposure to air and light. Hydroxybenzene; carboic acid

Product Code.	01968	Grade	Extrapure
Purity	99%	CAS No.	108-95-2
Molecular Formula	C6H5OH	Molecular Weight	94.11
H.S.Code	2907.11100	Shelf Life	60 Months



Specification

Appearance	White crystals or crystalline flakes. (turns pink on exposure to air and light)
Purity (by GC)	Min 99.0%
Freezing point (dry basis)	Not less than 39.5°C
Residue on evaporation	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 1671

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301-H311-H314-H331-H341-H373

Precaution Statement: P261-P280-P301 + P310-P305 + P351 + P338-P310

PHENOLDISULPHONIC ACID SOLUTION A25% W/V IN SULPHURIC ACID

25% soultion w/v in sulphuric acid

Product Code.	01972	Grade	
Purity		CAS No.	96-77-5
Molecular Formula		Molecular Weight	0.00
H.S.Code	2908.99900	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Yellow to brown	Density [g/cm3]	1.4
Solubility in water [% weight]	Reacts with water				

Packaging

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Specification

Appearance	A clear yellow to brownish yellow liquid.
Sensitivity for nitrate	Passes test

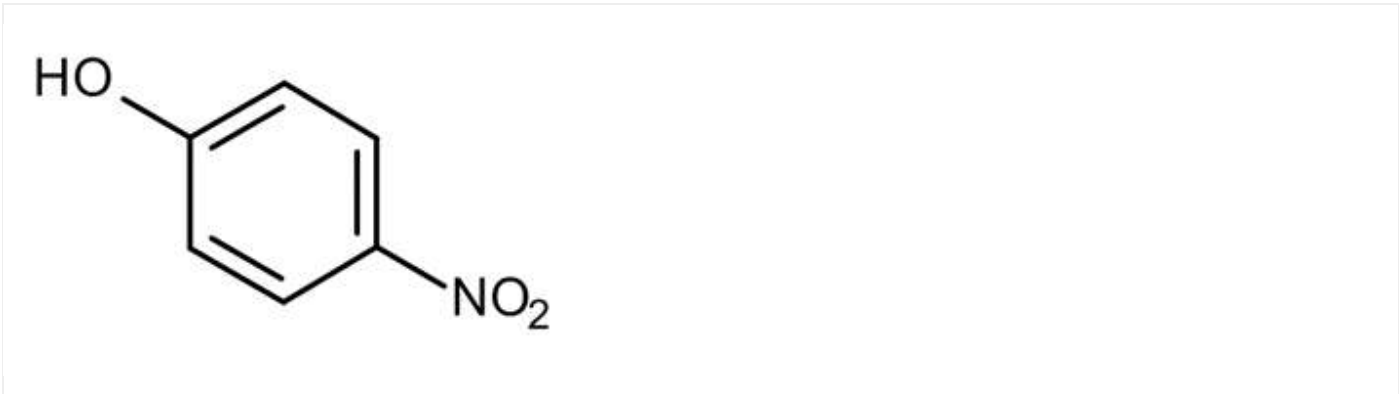
Safety Information and Hazard Symbols


Symbol: GHS05 Signal Word: Danger UN No.: 1760 IMCO Class No.: 8 Packing Group: II Hazardous Statement: H314 Precaution Statement: P280- P301+P330+P331-P303+P361+P353-P305+P351+P338-P310

P-NITROPHENOL 98% EXTRAPURE

4-Nitrophenol

Product Code.	01864	Grade	
Purity	98%	CAS No.	100-02-7
Molecular Formula	C6H5NO3	Molecular Weight	139.11
H.S.Code	2908.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Slight Yellow	Odour	Odorless
pH value	4.4	Melting point/ Freezing point [°C]	112 °C	Auto-ignition temperature [°C]	283 °C
Flash point [°C]	169 °C	Boiling point [°C]	279 °C	Evaporation rate	<1
Vapour pressure mm/Hg	0.6 mmHg 120 °C	Density [g/cm3]	1.27	Solubility in water [% weight]	Slightly soluble in cold water
Partition coefficient Log Pow octanol / water at 20°C	1.91				

Packaging

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Specification

Appearance	Yellowish brown color crystalline powder
Assay	Min 98%
Melting range	110 - 115 deg C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

UN No.: 1663

IMCO Class No.: 6.1

Packing Group: III

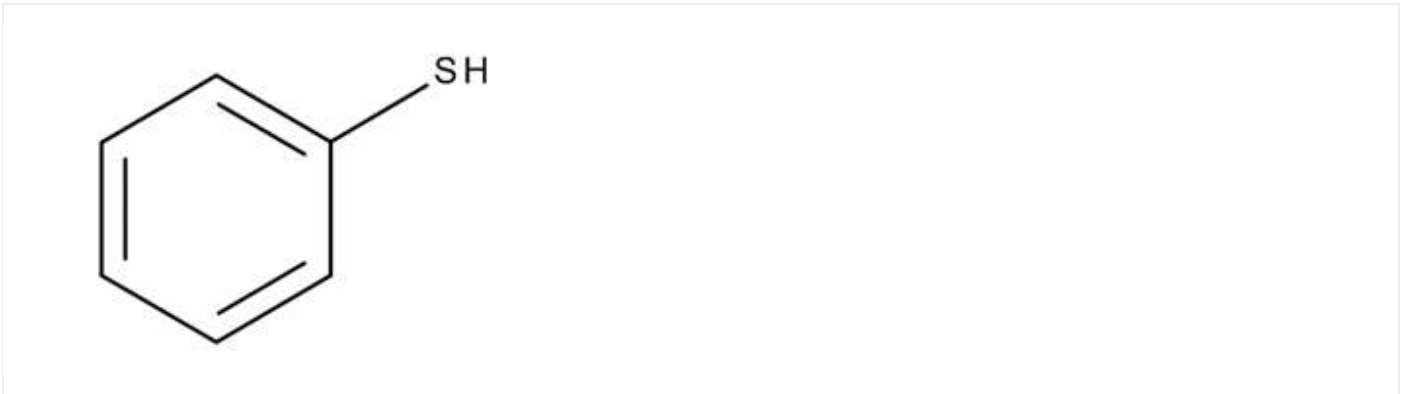
Hazardous Statement: H302-H312-H332-H373

Precaution Statement: P280

THIOPHENOL 98% FOR SYNTHESIS

Benzenethiol; Phenyl mercaptan

Product Code.	02685	Grade	
Purity	98%	CAS No.	108-98-5
Molecular Formula	C6H6S	Molecular Weight	110.18
H.S.Code	2930.90990	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear yellow	Odour	Unpleasant
Melting point/ Freezing point [°C]	-15 °C	Auto-ignition temperature [°C]	450 °C	Flash point [°C]	50 °C
Boiling point [°C]	169 °C	Vapour pressure [20°C]	1.9 hPa at 20 °C	Vapour density	3.8
Density [g/cm3]	1.073	Solubility in water [% weight]	Insoluble in water		

Packaging

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Specification

Appearance	Clear almost colorless to yellow liquid
Assay	Min 98%
Density (d20°C/4°C)	1.077 - 1.079

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS06

Signal Word: Danger

UN No.: 2337

IMCO Class No.: 6.1

Packing Group: I

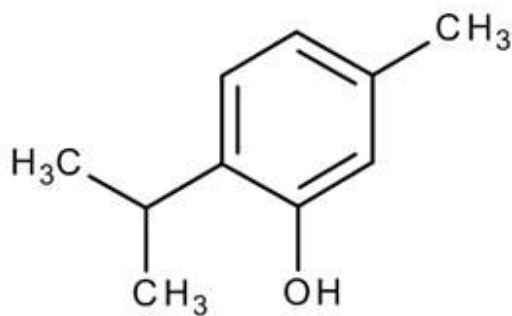
Hazardous Statement: H226-H300-H310-H318-H330

Precaution Statement: P260-P264-P280-P284-P301 + P310-P302 + P350

THYMOL CRYSTAL 99% EXTRAPURE

2-Isopropyl-5-methylphenol; 5-Methyl-2-(1-methylethyl)phenol; 5-Methyl-2-isopropylphenol; IPMP

Product Code.	02699	Grade	Extrapure
Purity	99%	CAS No.	89-83-8
Molecular Formula	C10H14O	Molecular Weight	150.22
H.S.Code	2907.19300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Colorless crystals	Odour	Thyme-like odor
pH value	7	Melting point/ Freezing point [°C]	49 - 51 °C	Flash point [°C]	110 °C
Boiling point [°C]	232 °C	Density [g/cm3]	0.965	Solubility in water [% weight]	0.1g/100g water
Partition coefficient Log Pow octanol / water at 20°C	3.3				

Packaging

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Specification

Appearance	Colorless Crystals
Assay	99.0 - 101.0%
Impurities reacting acid	Passes test
Foreign phenols	Passes test
Melting point	48 - 51°C

Non volatile matter

Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07, GHS09

Signal Word: Danger

UN No.: 3261

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H302-H314-H411

Precaution Statement: P273-P280-P305 + P351 + P338-P310

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