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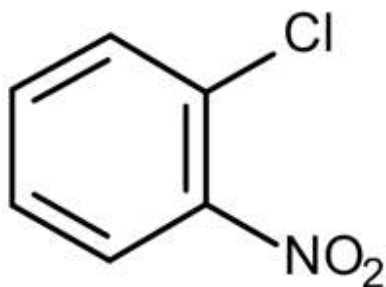
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1-CHLORO-2 NITROBENZENE 99% FOR SYNTHESIS

o-Chloronitrobenzene; 2-Chloronitrobenzene ; (O-Nitro Chlorobenzene)

Product Code.	00775	Grade	
Purity	98%	CAS No.	88-73-3
Molecular Formula	C6H4ClNO2	Molecular Weight	157.58
H.S.Code	2904.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Slight yellow	pH value	6 at 0,4 g/l
Melting point/ Freezing point [°C]	31 - 33 °C	Flash point [°C]	126 °C	Boiling point [°C]	246 °C
Vapour pressure [20°C]	0.05 hPa at 20 °C	Density [g/cm3]	1.348	Partition coefficient Log Pow octanol / water at 20°C	2.24

Specification

Appearance	Yellow crystals
Assay (GC area %)	Min 99%
Melting point	31 - 33 deg C

Safety Information and Hazard Symbols

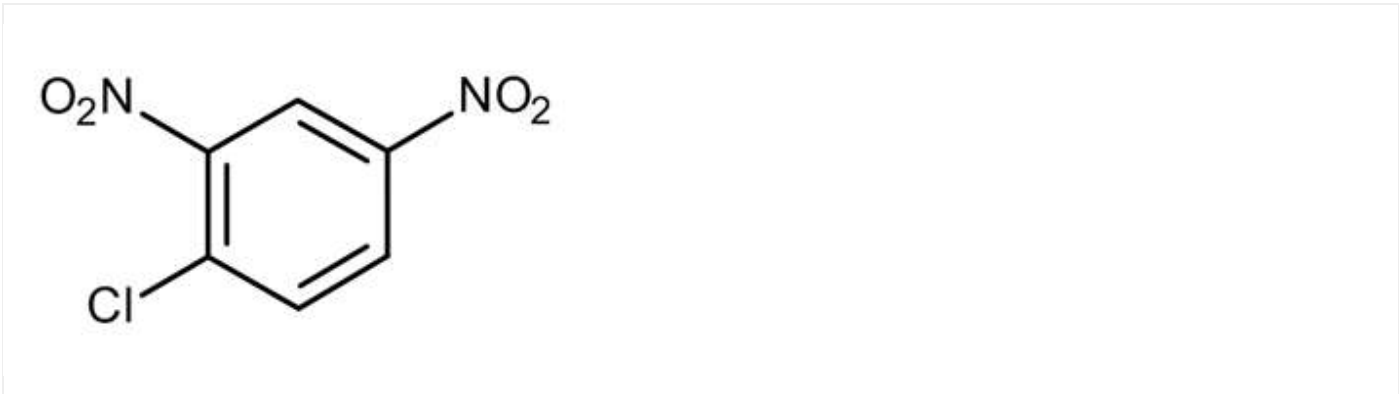


Symbol: GHS06
Signal Word: Danger
UN No.: 1578
IMCO Class No.: 6.1
Packing Group: II
Hazardous Statement: H301-H311
Precaution Statement: P280-P301 + P310-P312

1-CHLORO-2,4-DINITROBENZENE 98.5% FOR SYNTHESIS

2,4-Dinitrochlorobenzene

Product Code.	00765	Grade	For Synthesis
Purity	98.5%	CAS No.	97-00-7
Molecular Formula	C6H3ClN2O4	Molecular Weight	202.55
H.S.Code	2904.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow Crystals	Odour	Almond-like
Melting point/ Freezing point [°C]	48 - 50 °C	Flash point [°C]	186°C	Boiling point [°C]	315 °C
Vapour density	6.98	Density [g/cm3]	1.687	Solubility in water [% weight]	Insoluble
Explosion limits - upper [%]	22%	Explosion limits -lower [%]	2%		

Packaging

Specification

Appearance	Yellow to brown crystalline powder or crystal or mass & Chunks
Assay	Min 98.5%
Melting point	48 - 52 deg C

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3441

IMCO Class No.: 6.1

Packing Group: II

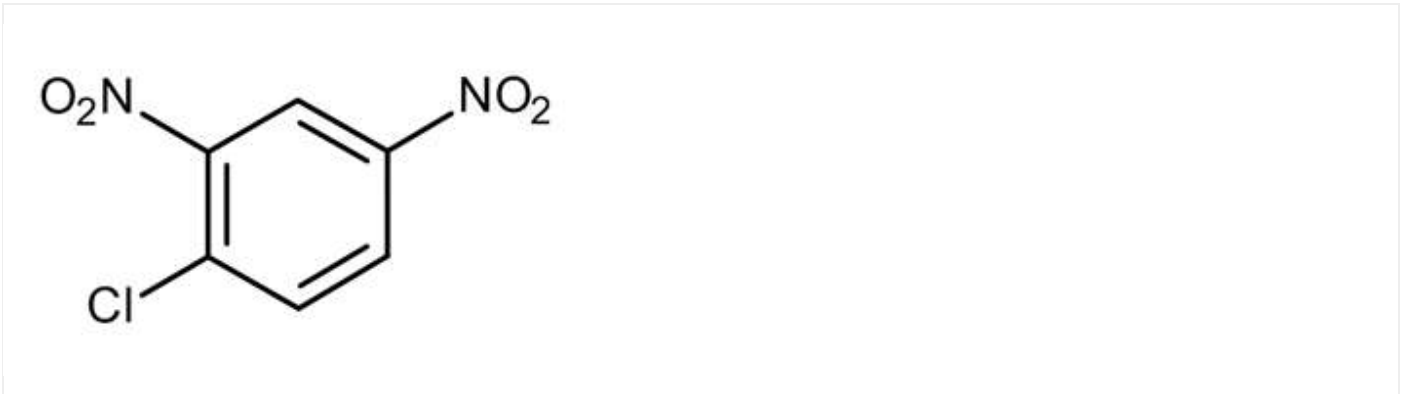
Hazardous Statement: H301-H311-H315-H318-H331-H373-H410

Precaution Statement: P261-P273-P280-P301 + P310-P305 + P351 + P338-P311

1-CHLORO-2,4-DINITROBENZENE 99% AR

2,4-Dinitrochlorobenzene

Product Code.	00766	Grade	
Purity	99%	CAS No.	97-00-7
Molecular Formula	C6H3ClN2O4	Molecular Weight	202.55
H.S.Code	2904.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow Crystals	Odour	Almond-like
Melting point/ Freezing point [°C]	48 - 50 °C	Flash point [°C]	186°C	Boiling point [°C]	315 °C
Vapour density	6.98	Density [g/cm3]	1.687	Solubility in water [% weight]	Insoluble
Explosion limits - upper [%]	22%	Explosion limits -lower [%]	2%		

Packaging

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Specification

Appearance	Yellow crystals
Assay	Min 99%
Melting point	48 - 52 deg C
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.001%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3441

IMCO Class No.: 6.1

Packing Group: II

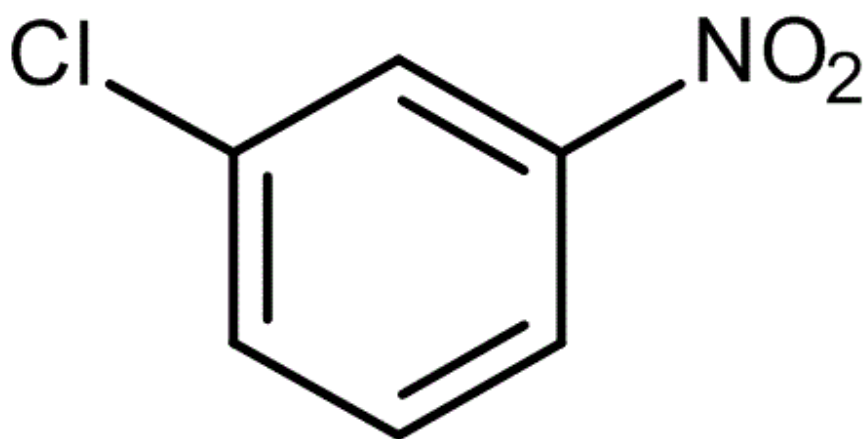
Hazardous Statement: H301-H311-H315-H318-H331-H373-H410

Precaution Statement: P261-P273-P280-P301 + P310-P305 + P351 + P338-P311

1-CHLORO-3-NITROBENZENE 99% FOR SYNTHESIS

m-Chloronitrobenzene

Product Code.	00776	Grade	
Purity	98%	CAS No.	121-73-3
Molecular Formula	C6H4ClNO2	Molecular Weight	157.56
H.S.Code	2904.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Brownish yellow crystals	Melting point/ Freezing point [°C]	43 - 47 °C
Decomposition point [°C]	300 °C	Auto-ignition temperature [°C]	260 °C	Flash point [°C]	115 °C
Boiling point [°C]	236 °C	Density [g/cm3]	1.534	Solubility in water [% weight]	Insoluble

Packaging

Specification

Appearance	Brownish yellow crystals
Assay (GC area %)	Min 98%
Melting range	43 - 46 deg C

Safety Information and Hazard Symbols



Symbol: GHS07, GHS09

Signal Word: Warning

UN No.: 1578

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H302-H400

Precaution Statement: P273

1-CHLORO-4-NITROBENZENE 99% FOR SYNTHESIS

PNCB ;(P-Chloronitrobenzene) (P-Nitro Chlorobenzene)

Product Code.	00777	Grade	For Synthesis
Purity	99%	CAS No.	100-00-5
Molecular Formula	C6H4ClNO2	Molecular Weight	157.56
H.S.Code	2904.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Lemon yellow	Melting point/ Freezing point [°C]	80 - 83 °C
Auto-ignition temperature [°C]	510 °C	Flash point [°C]	124 °C	Boiling point [°C]	242 °C
Density [g/cm3]	1.298	Solubility in water [% weight]	Insoluble	Partition coefficient Log Pow octanol / water at 20°C	2.6

Specification

Appearance	Yellow to lemon yellow crystals/flakes
Purity (by GC)	Min 99%
Melting point	80 - 84 deg C

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1578

IMCO Class No.: 6.1

Packing Group: II

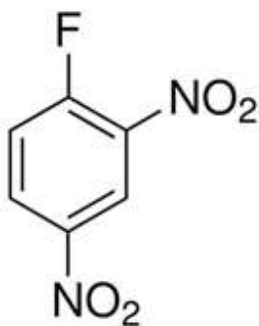
Hazardous Statement: H301-H311-H331-H341-H351-H373-H411

Precaution Statement: P261-P273-P280-P301 + P310-P311

2,4-DINITRO-1-FLUOROBENZENE 98% AR

Used for polypeptide sequencing. Sanger's reagent , 1-Fluoro-2-4-Dinitrobenzene

Product Code.	01060	Grade	
Purity	98%	CAS No.	70-34-8
Molecular Formula	C6H3FN2O4	Molecular Weight	186.10
H.S.Code	2904.99900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid / Liquid	Colour	Yellow to red	Melting point/ Freezing point [°C]	27.5 - 30 °C
Flash point [°C]	164 °C	Boiling point [°C]	178 °C	Density [g/cm3]	1.4718
Solubility in water [% weight]	Insoluble				

Packaging

Specification

Appearance	Yellow to dark brown coloured liquid
Assay	Min 98%
Heavy metal (as Pb)	Max 0.001%
Iron (Fe)	Max 0.001%
Water (H2O)	Max 0.1%
Sulphated ash	Max 0.1%

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Warning

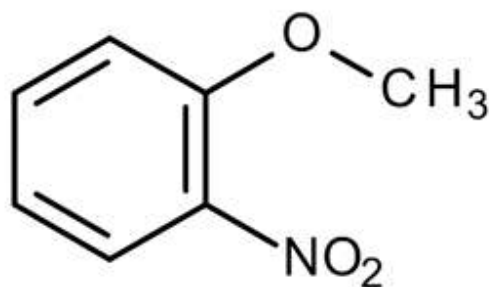
Hazardous Statement: H302-H315-H317-H319-H335-H373

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

2-NITROANISOLE 98% FOR SYNTHESIS

1-Methoxy-2-nitrobenzene

Product Code.	01850	Grade	For Synthesis
Purity	98%	CAS No.	91-23-6
Molecular Formula	C7H7NO3	Molecular Weight	153.14
H.S.Code	2909.30120	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Dark Yellow	Flash point [°C]	200 °C
Density [g/cm3]	1.254				

Specification

Appearance	Yellow coloured liquid.
Assay	Min 98.0%
Density (d20°C/4°C)	1.248 - 1.250 g/ml

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08

Signal Word: Danger

UN No.: 2730

IMCO Class No.: 6.1

Packing Group: III

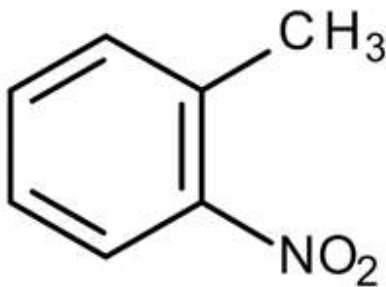
Hazardous Statement: H302-H350

Precaution Statement: P201-P308 + P313

2-NITROTOLUENE 99% FOR SYNTHESIS

Immiscible with water 1-Methyl-2-nitrobenzene

Product Code.	01875	Grade	For Synthesis
Purity	99%	CAS No.	88-72-2
Molecular Formula	C7H7NO2	Molecular Weight	137.14
H.S.Code	2904.20300	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Yellow	Melting point/ Freezing point [°C]	-4 - -3 °C
Auto-ignition temperature [°C]	305 °C	Flash point [°C]	95 °C	Boiling point [°C]	225 °C
Density [g/cm3]	1.163				

Packaging

Specification

Appearance	Clear yellow to yellow-green liquid
Purity (by GC)	Min 99.0%
Density (d20°C/4°C)	1.162 - 1.163 g/ml
Refractive index (20°C; 589 nm)	1.5445 - 1.5455

Safety Information and Hazard Symbols



Symbol: GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1664

IMCO Class No.: 6.1

Packing Group: II

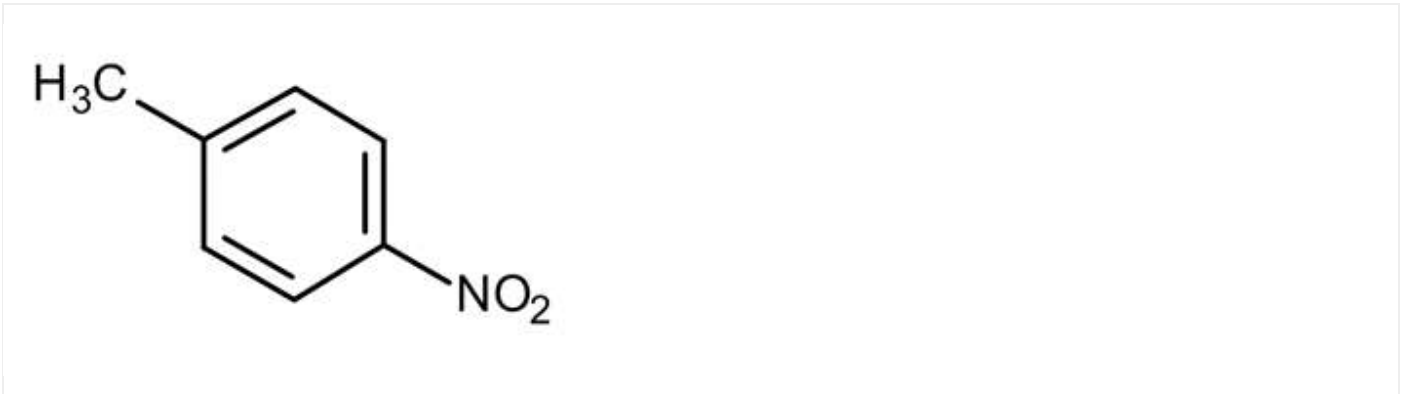
Hazardous Statement: H302-H340-H350-H361f-H411

Precaution Statement: P201-P273-P281-P308 + P313

4-NITROTOLUENE 98% FOR SYNTHESIS

1-Methyl-4-nitrobenzene

Product Code.	01876	Grade	
Purity	98%	CAS No.	99-99-0
Molecular Formula	CH3.C6H4.NO2	Molecular Weight	137.14
H.S.Code	2904.20500	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Solid	Colour	Yellow	Melting point/ Freezing point [°C]	52 - 54 °C
Auto-ignition temperature [°C]	390 °C	Flash point [°C]	106°C	Boiling point [°C]	238 °C
Density [g/cm3]	1.392	Solubility in water [% weight]	Insoluble in water	Explosion limits -lower [%]	1.60%

Packaging

Specification

Appearance	Yellow colored crystals
Assay	Min 98%
Melting point	50 - 53 deg C
Sulphated ash	Max 0.05%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 3446

IMCO Class No.: 6.1

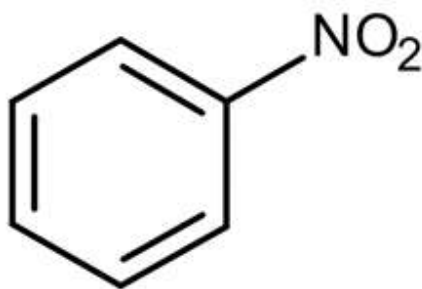
Packing Group: II

Hazardous Statement: H301-H311-H331-H373-H411

Precaution Statement: P261-P273-P280-P301 + P310-P311

NITROBENZENE 98% FOR SYNTHESIS

Product Code.	01854	Grade	For Synthesis
Purity	98%	CAS No.	98-95-3
Molecular Formula	C6H5NO2	Molecular Weight	123.11
H.S.Code	2904.20100	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Pale Yellow	Odour	Almond odor
pH value	8 - 8.5 at 1.00000 g/l at 20°C	Melting point/ Freezing point [°C]	5 - 6 °C	Auto-ignition temperature [°C]	482°C
Flash point [°C]	88°C	Boiling point [°C]	210 - 211 °C	Initial boiling point [°C]	210°C
Final boiling point [°C]	211 °C	Vapour pressure [20°C]	0.3 hPa at 20°C	Vapour density	4.3
Density [g/cm3]	1.2	Solubility in water [% weight]	Practically insoluble in water	Partition coefficient Log Pow octanol / water at 20°C	1.85
Explosion limits - upper [%]	40%	Explosion limits -lower [%]	1.80%		

Packaging

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Specification

Appearance	Pale yellow colored liquid
Purity (by GC)	Min 98%

Density (d20°C/4°C)	1.201 - 1.203 g/ml
Water (H ₂ O)	Max 0.5%
Free acid (as HNO ₃)	Max 0.005%

Safety Information and Hazard Symbols



Symbol: GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1662

IMCO Class No.: 6.1

Packing Group: II

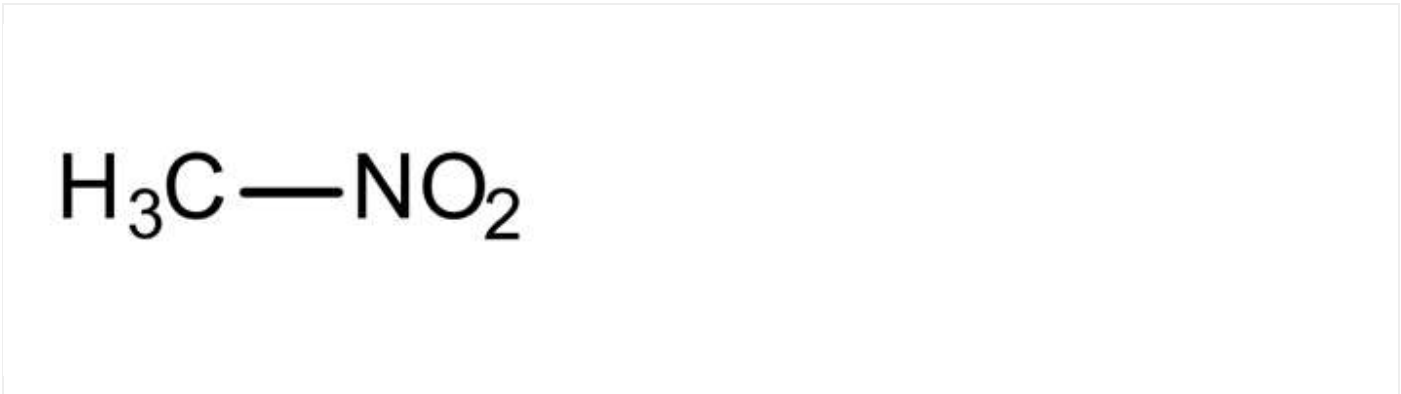
Hazardous Statement: H301-H311-H331-H351-H361f-H372-H411

Precaution Statement: P261-P273-P280-P301 + P310-P311

NITROMETHANE 98% FOR SYNTHESIS

Nitrocarbol

Product Code.	01861	Grade	For Synthesis
Purity	98%	CAS No.	75-52-5
Molecular Formula	CH3NO2	Molecular Weight	61.04
H.S.Code	2904.20900	Shelf Life	60 Months



Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear oily liquid	Odour	Disagreeable fruity odor
pH value	6.4 at 0.01 g/l at 20 °C	Melting point/ Freezing point [°C]	-29 °C	Auto-ignition temperature [°C]	418 °C
Flammability (solid, gas)	Flammable	Flash point [°C]	36 °C	Boiling point [°C]	101.2 °C
Evaporation rate	1.39	Vapour pressure [20°C]	36.4 hPa at 20 °C	Vapour density	2.11
Density [g/cm3]	1.127	Solubility in water [% weight]	100 g/l at 20 °C	Partition coefficient Log Pow octanol / water at 20°C	0.17
Explosion limits -lower [%]	7.30%				

Packaging

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Specification

Appearance	Clear colorless to light yellow liquid
Assay	Min 98.0%

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Warning

UN No.: 1261

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H226-H302

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