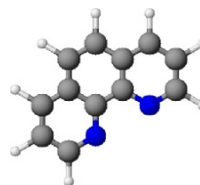


1.10-phenanthroline monohydrate

cas 5144-89-8

P1915T	Platinum Line
Warranty certificate	
Assay	99%
Fe-sensitivity	0.05ug/ml
Residue on ignition	0.01%



Packaging	
25g white plastic jar	

Physical properties, composition and data	
Chemical formula	C ₁₂ H ₈ N ₂ ·H ₂ O
Synonym	4,5-Diazaphenanthrene; 4,5-Phenanthroline, o-Phenanthroline
Chemical group	Redox indicators
Atomic weight	198.21
Appearance	White crystalline powder
Solubility	Soluble in water, alcohol and acetone
Melting point	93 - 94 °C
Hazardous material	Toxic

Laboratory preparation, applications and practices	
Laboratory preparation	By heating o-phenylenediamine with glycerol, nitrobenzene and sulphuric acid
Usage	Analytical reagent. Indicator for the titration of Grignard reagent:
Filter paper	Filtech no: 0222, 0225, 1839

Storage and handling information	
Storage	Store in a cool dry place
Safety phrases	45
Risk phrases	25
Disposal methods	16

Transport regulations	
Tariff code	2933.90.80
Hazardous class	6.1
Packing group	III
UN number	2811

