

SPECIFICATION

1,10-Phenanthroline

Parameters	Specification
CAS Number	66-71-7
Appearance	Colorless crystals
Molecular Formula	C ₁₂ H ₈ N ₂
Molecular Weight	180.20 g/mol
Boiling Point	338 °C
Melting Point	92 °C
Flash Point	300 °C
Purity	98–99%
Refractive Index	1.6
Solubility	Soluble in ethanol and acetone; sparingly soluble in water
Uses	Bidentate ligand in coordination chemistry and analytical chemistry; used for metal ion detection and catalysis

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