

SPECIFICATION

Octanoyl Chloride

Parameters	Specification
CAS Number	111-64-8
Appearance	Colorless to pale yellow liquid
Molecular Formula	C ₈ H ₁₅ ClO
Molecular Weight	162.66 g/mol
Boiling Point	196 °C
Melting Point	-10 °C
Flash Point	-7 °C
Purity	98–99%
Refractive Index	1.42
Solubility	Reacts with water; soluble in nonpolar organic solvents (e.g., dichloromethane)
Uses	Acylating agent in organic synthesis; used to prepare esters, amides, and other acid chlorides; intermediate in fragrance and pharmaceutical syntheses



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