SPECIFICATION

N-Pentyl Magnesium Bromide

Parameters	Specification
Appearance	Colorless to pale yellow liquid
Molecular Weight	175.35 g/mol
Boiling Point	66 °C
Melting Point	-108 °C
Flash Point	-20 °C
Purity	97–99%
Refractive Index	1.405
Solubility	Soluble in THF and diethyl ether; reacts with water
Uses	Grignard reagent for carbon-carbon bond formation in organic synthesis; used to form secondary and tertiary alcohols after reaction with aldehydes/ketones and to prepare alkanes after hydrolysis