

SPECIFICATION

P-Toluenesulfonamide

Parameters	Specification
CAS Number	70-55-3
Appearance	White crystalline solid
Molecular Formula	C7H9NO2S
Molecular Weight	171.22 g/mol
Boiling Point	310.0 °C
Flash Point	230.0 °C
Purity	99–99.5%
Refractive Index	1.6
Solubility	Slightly soluble in water; soluble in DMSO, DMF, and acetone
Uses	Used as an intermediate in organic synthesis; precursor to tosylates and sulfonamide derivatives; used as a blocking group in synthesis