

SPECIFICATION

Trimethylsilyl Trifluoromethanesulfonate

Parameters	Specification
CAS Number	27607-77-8
Appearance	Colorless liquid
Molecular Formula	C ₄ H ₉ F ₃ O ₃ SSi
Molecular Weight	222.26 g/mol
Boiling Point	58 °C
Melting Point	-75 °C
Flash Point	-5 °C
Purity	98–99%
Refractive Index	1.405
Solubility	Soluble in dichloromethane, chloroform, and benzene; hydrolyzes in water
Uses	Silylation reagent for alcohols and other nucleophiles; promotes formation of silyl ethers; Lewis acid catalyst in organic synthesis

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