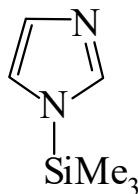




>>Entry Name: 1-(Trimethylsilyl)-1*H*-imidazole, 12Cl, 9Cl

Synonym(s): TMSI. TMSIM



CAS Registry Number: 18156-74-6

Molecular Formula: C₆H₁₂N₂Si

Molecular Weight: 140.26

Accurate Mass: 140.076975

Percentage Composition: C 51.38%; H 8.62%; N 19.97%; Si 20.02%

Source/Synthesis: Synth. from imidazole + Me₃SiCl

Use/Importance: Commercially available silylating agent. Used for trimethylsilylation of biological materials for glc anal.; reacts with dicarbonyl compds. → monosilyl enol ethers

Physical Description: Moisture-sensitive liq.

Boiling Point: Bp₁₄ 93-94°

Refractive Index: n_D²⁰ 1.4750

Hazard & Toxicity: Exp. neoplastigenic data. Fl. p. 5°. Highly flammable

Aldrich: 39487-4

Fluka: 92751

Sigma: T7510

Supelco: R40-2170

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