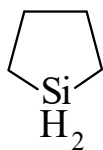




>>Entry Name: Silacyclopentane, 9CI

Synonym(s): Silolane



CAS Registry Number: 288-06-2

Molecular Formula: C₄H₁₀Si

Molecular Weight: 86.208

Accurate Mass: 86.055177

Percentage Composition: C 55.73%; H 11.69%; Si 32.58%

Source/Synthesis: Synth. from 1,1-Dichlorosilacyclopentane [FJP06-O](#) + LiAlH₄

Physical Description: Liq.

Boiling Point: Bp 71°

Density: d₄²⁵0.8

Refractive Index: n_D²⁵ 1.4458

>>Derivative: 1-Me

Synonym(s): 1-Methyl-1-silacyclopentane

CAS Registry Number: 765-41-3

Molecular Formula: C₅H₁₂Si

Molecular Weight: 100.235

Accurate Mass: 100.070827

Percentage Composition: C 59.91%; H 12.07%; Si 28.02%

Source/Synthesis: Synth. from BrMg(CH₂)₃MgBr + MeSiHCl₂

Physical Description: Liq.

Boiling Point: Bp 91.5°

Density: d₄²⁵0.798

>>Derivative: 1,1-Di-Me

Synonym(s): 1,1-Dimethyl-1-silacyclopentane

CAS Registry Number: 1072-54-4

Molecular Formula: C₆H₁₄Si

Molecular Weight: 114.262

Accurate Mass: 114.086477

Percentage Composition: C 63.07%; H 12.35%; Si 24.58%

Source/Synthesis: Synth. from BrMg(CH₂)₃MgBr + MeSiCl₃, then MeMgI

Physical Description: Liq.

Boiling Point: Bp 107°

Density: d₄²⁵0.78

Refractive Index: n_D²⁴ 1.4377

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