



Fluka: 92759

>>**Derivative:** Chloride

Synonym(s): (Trimethylsilyl)acetyl chloride, 12Cl

CAS Registry Number: 63877-23-6

Molecular Formula: C₅H₁₁ClOSi

Molecular Weight: 150.68

Accurate Mass: 150.026769

Percentage Composition: C 39.86%; H 7.36%; Cl 23.53%; O 10.62%; Si 18.64%

>>**Derivative:** Nitrile

Synonym(s): (Trimethylsilyl)acetonitrile, 9Cl

CAS Registry Number: 18293-53-3

Molecular Formula: C₅H₁₁NSi

Molecular Weight: 113.234

Accurate Mass: 113.066076

Percentage Composition: C 53.04%; H 9.79%; N 12.37%; Si 24.80%

Source/Synthesis: Synth. from BrCH₂CN + Me₃SiCl in presence of Zn

Use/Importance: Epoxide cleavage reagent → γ-lactones. Precursor to 3-chloro-1-cyclopropenes. Anion reacts with carbonyls → α,β-unsatd. nitriles; undergoes 1,4-addn. to enones

Physical Description: Moisture-sensitive liq.

Boiling Point: Bp₂₀ 65-70°

Aldrich: 29596-5

Fluka: 92746

References:

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