



**Fluka:** 92759

>>**Derivative:** Chloride

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

**CAS Registry Number:** 63877-23-6

**Molecular Formula:** C<sub>5</sub>H<sub>11</sub>ClOSi

**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:** C<sub>5</sub>H<sub>11</sub>NSi

**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 BrCH<sub>2</sub>CN + Me<sub>3</sub>SiCl 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:** Bp<sub>20</sub> 65-70°

**Aldrich:** 29596-5

**Fluka:** 92746

#### References:

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