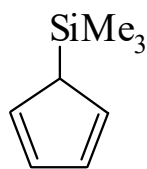




>>Entry Name: 2,4-Cyclopentadien-1-yltrimethylsilane, 9CI

Synonym(s): 5-Trimethylsilyl-1,3-cyclopentadiene



and isomers

CAS Registry Number: 3559-74-8

Related CAS Registry Numbers(s): 25134-15-0

Molecular Formula: C<sub>8</sub>H<sub>14</sub>Si

Molecular Weight: 138.284

Accurate Mass: 138.086477

Percentage Composition: C 69.49%; H 10.20%; Si 20.31%

General Statement: Tautomeric. The 3 possible isomers are in equil.; ratio 5-:1-:2-substituted 90:7:3 at 30°

Source/Synthesis: Synth. from LiCp and Me<sub>3</sub>SiCl

Use/Importance: Synthetic equiv. of cyclopentadienone in cycloaddns.

Physical Description: Liq.

Melting Point: Mp -19°

Boiling Point: Bp<sub>23</sub> 43°

Other Data: Has been polym. by SnCl<sub>4</sub> or Cl<sub>3</sub>CCOOH

Aldrich: 25788-5

#### References:

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