



>>Entry Name: *N,N,N',N'*-Tetramethylethylenediamine, 8Cl

Synonym(s): *N,N,N',N'*-Tetramethylethanediamine, 9Cl

CAS Registry Number: 110-18-9

Me₂NCH₂CH₂NMe₂

Molecular Formula: C₆H₁₆N₂

Molecular Weight: 116.206

Accurate Mass: 116.131348

Percentage Composition: C 62.02%; H 13.88%; N 24.11%

Use/Importance: Butyllithium complex is a reactive metalating agent

Physical Description: Oil

Boiling Point: Bp 122°

Hazard & Toxicity: Skin and severe eye irritant. LD₅₀ (rat, orl) 1580 mg/kg

Aldrich: 41101-9

Fluka: 87690

Sigma: T0405

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 7677-21-6

Physical Description: Cryst. (MeOH)

Other Data: Dec. at 288°

Rare Chemicals Library: S74575-8

>>Derivative: Dipicrate

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 257°

>>Derivative: *N,N'*-Dioxide

CAS Registry Number: 29338-41-8

Molecular Formula: C₆H₁₆N₂O₂

Molecular Weight: 148.205

Accurate Mass: 148.121178

Percentage Composition: C 48.63%; H 10.88%; N 18.90%; O 21.59%

Melting Point: Mp 139-140 dec.°

References:

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