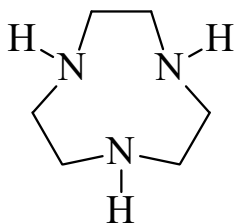




>>Entry Name: 1,4,7-Triazacyclononane

Synonym(s): Octahydro-1*H*-1,4,7-triazonine, 9Cl. Tacn. Triaza-9-crown-3



CAS Registry Number: 4730-54-5

Molecular Formula: C₆H₁₅N₃

Molecular Weight: 129.205

Accurate Mass: 129.126597

Percentage Composition: C 55.78%; H 11.70%; N 32.52%

Use/Importance: Small macrocyclic ligand

Melting Point: Mp 43-45°

Boiling Point: Bp₇ 110-130°

Aldrich: 31130-8

Fluka: 90610

Sigma: T4781

>>Derivative: Hydrochloride (1:3)

CAS Registry Number: 58966-93-1

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 288° (dec.)

Aldrich: 32949-5

Fluka: 90615

Sigma: T4656

>>Derivative: Hydrobromide (1:3)

CAS Registry Number: 35980-59-7

Melting Point: Mp 277-278°

>>Derivative: Tris(4-methylbenzenesulfonyl)

CAS Registry Number: 52667-89-7

Melting Point: Mp 222-223°

Rare Chemicals Library: S13117-2

>>Derivative: *N,N,N*'-Tri-Me

CAS Registry Number: 96556-05-7

Melting Point: Fp 68°

Refractive Index: n_D²⁰ 1.4736

Aldrich: 31129-4

Fluka: 92795

Sigma: T4906

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