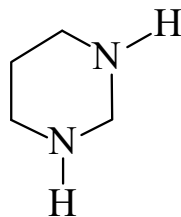




>>Entry Name: Hexahydropyrimidine

Synonym(s): 1,3-Diazacyclohexane. Piperimidine. Piperidazine



CAS Registry Number: 505-19-1

Molecular Formula: $C_4H_{10}N_2$

Molecular Weight: 86.136

Accurate Mass: 86.084398

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

Physical Description: Fuming liq.

Boiling Point: Bp₂₀ 58-60°

Other Data: Monomeric in C_6H_6 soln. at r.t.

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

CAS Registry Number: 15973-99-6

Molecular Formula: $C_4H_8N_4O_2$

Molecular Weight: 144.133

Accurate Mass: 144.064726

Percentage Composition: C 33.33%; H 5.59%; N 38.87%; O 22.20%

Melting Point: Mp 61-63°

Hazard & Toxicity: LD₅₀ (rat, ipr) 300 mg/kg. Exp. carcinogen

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

CAS Registry Number: 5754-89-2

Molecular Formula: $C_4H_8N_4O_4$

Molecular Weight: 176.132

Accurate Mass: 176.054556

Percentage Composition: C 27.28%; H 4.58%; N 31.81%; O 36.34%

Melting Point: Mp 84-86°

Hazard & Toxicity: Potentially explosive

>>Derivative: 1,3-Di-Me

CAS Registry Number: 10556-96-4

Molecular Formula: $C_6H_{14}N_2$

Molecular Weight: 114.19

Accurate Mass: 114.115698

Percentage Composition: C 63.11%; H 12.36%; N 24.53%

Boiling Point: Bp 125-126° (132-136°)

>>Derivative: 1,3-Di-Et

CAS Registry Number: 18468-57-0

Molecular Formula: $C_8H_{18}N_2$

Molecular Weight: 142.244

Accurate Mass: 142.146998

Percentage Composition: C 67.55%; H 12.75%; N 19.69%

Boiling Point: Bp₂₅ 84°. Bp₁₇ 60-4°

>>Derivative: 1,3-Diisopropyl

CAS Registry Number: 28286-13-7

Molecular Formula: $C_{10}H_{22}N_2$

Molecular Weight: 170.297

Accurate Mass: 170.178298

Percentage Composition: C 70.53%; H 13.02%; N 16.45%

Physical Description: Oil

Boiling Point: Bp_{0.04} 44°