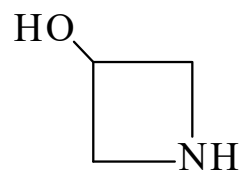




>>Entry Name: 3-Azetidinol, 9CI

Synonym(s): 3-Hydroxyazetidine



Molecular Formula: C₃H₇NO

Molecular Weight: 73.094

Accurate Mass: 73.052764

Percentage Composition: C 49.30%; H 9.65%; N 19.16%; O 21.89%

>>Derivative: Hydrochloride

CAS Registry Number: 18621-18-6

Melting Point: Mp 91-92°

Other Data: $\nu_{\max}$ 3300, 2600, 2350, 1530 cm⁻¹

>>Derivative: *N*-(4-Methylbenzenesulfonyl)

Molecular Formula: C₁₀H₁₃NO₃S

Molecular Weight: 227.284

Percentage Composition: C 52.85%; H 5.76%; N 6.16%; O 21.12%; S 14.11%

Physical Description: Solid (EtOAc/hexane)

Melting Point: Mp 103-104°

>>Derivative: *N*-Ac

Molecular Formula: C₅H₉NO₂

Molecular Weight: 115.132

Accurate Mass: 115.063329

Percentage Composition: C 52.16%; H 7.88%; N 12.17%; O 27.79%

Physical Description: Viscous oil, solidifying in freezer

>>Derivative: *N,O*-Di-Ac

Molecular Formula: C₇H₁₁NO₃

Molecular Weight: 157.169

Accurate Mass: 157.073894

Percentage Composition: C 53.49%; H 7.05%; N 8.91%; O 30.54%

Physical Description: Oil

Boiling Point: Bp₂ 120-125°

>>Derivative: *N*-Diphenylmethyl

CAS Registry Number: 18621-17-5

Melting Point: Mp 115°

Rare Chemicals Library: S65987-8

>>Derivative: Me ether

Synonym(s): 3-Methoxyazetidine

Molecular Formula: C₄H₉NO

Molecular Weight: 87.121

Accurate Mass: 87.068414

Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%

Physical Description: Cryst. (EtOH) (as hydrochloride)

Melting Point: Mp 85-85.5° (hydrochloride)

>>Derivative: *N*-Nitro

Molecular Formula: C₃H₆N₂O₃

Molecular Weight: 118.092

Accurate Mass: 118.037843

Percentage Composition: C 30.51%; H 5.12%; N 23.72%; O 40.64%

Physical Description: Waxy solid