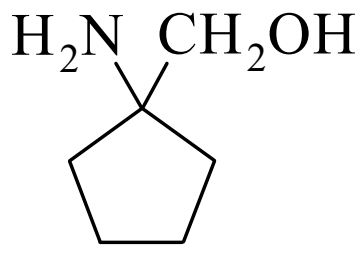
>>**Entry Name: 1-Amino-1-cyclopentanemethanol,** 9Cl, 8Cl
Synonym(s): Cycloleucinol. 1-Amino-1-hydroxymethylcyclopentane



CAS Registry Number: 10316-79-7

Molecular Formula: $C_6H_{13}NO$
Molecular Weight: 115.175
Accurate Mass: 115.099714
Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%
Physical Description: Liq., part. cryst. as needles
Melting Point: Mp 158-159°
Boiling Point: Bp_1 68-69°
Hazard & Toxicity: LD_{50} (mus, ipr) 120 mg/kg

Aldrich: 19227-9
Sigma: C4640

>>**Derivative:** Hydrochloride

Melting Point: Mp 130-131.5° (softens at 127°). Mp 158-159°

>>**Derivative:** *N*-Benzoyl

Molecular Formula: $C_{13}H_{17}NO_2$
Molecular Weight: 219.283
Accurate Mass: 219.125929
Percentage Composition: C 71.21%; H 7.81%; N 6.39%; O 14.59%
Physical Description: Cryst. (EtOH/Me_2CO)
Melting Point: Mp 230-231.5°

>>**Derivative:** *O*-Benzoyl

Molecular Formula: $C_{13}H_{17}NO_2$
Molecular Weight: 219.283
Accurate Mass: 219.125929
Percentage Composition: C 71.21%; H 7.81%; N 6.39%; O 14.59%
Physical Description: Cryst. (EtOH/Me_2CO)(as hydrochloride)
Melting Point: Mp 230.5-231.5° (hydrochloride)

References:

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 401B, *(ir)*
Aldrich Library of Infrared Spectra, 3rd edn., 1981, 182E, *(ir)*
Adkins, H. *et al.*, *J.A.C.S.*, 1948, **70**, 3121, *(synth)*