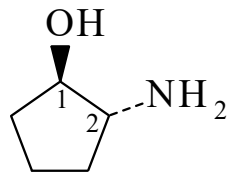
>>**Entry Name: 2-Aminocyclopentanol,** 9CI, 8CI



(1*R*,2*R*)-*form*

Molecular Formula: $C_5H_{11}NO$
Molecular Weight: 101.148
Accurate Mass: 101.084064
Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%

>>**Variant:** (1*R*,2*R*)-form
Synonym(s): (–)-*trans*-form

CAS Registry Number: 68327-03-7
Molecular Formula: $C_5H_{11}NO$
Molecular Weight: 101.148
Accurate Mass: 101.084064
Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%
Boiling Point: Bp_{13} 116-117°
Optical Rotation: $[\alpha]_D^{20}$ –33.3 (c, 1.7 in EtOH)

>>**Derivative:** Hydrochloride

CAS Registry Number: 68327-11-7
Melting Point: Mp 161-163°
Optical Rotation: $[\alpha]_D^{20}$ –34.8 (c, 1.6 in H_2O)

>>**Variant:** (1*RS*,2*RS*)-form
Synonym(s): (±)-*trans*-form

CAS Registry Number: 33092-86-3
Molecular Formula: $C_5H_{11}NO$
Molecular Weight: 101.148
Accurate Mass: 101.084064
Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%
pKa Value: pK_a 9.28

>>**Derivative:** Hydrochloride

Physical Description: Plates
Melting Point: Mp 193-194°

>>**Variant:** (1*RS*,2*SR*)-form
Synonym(s): (±)-*cis*-form

Molecular Formula: $C_5H_{11}NO$
Molecular Weight: 101.148
Accurate Mass: 101.084064
Percentage Composition: C 59.37%; H 10.96%; N 13.85%; O 15.82%
pKa Value: pK_a 9.7

>>**Derivative:** Hydrochloride

CAS Registry Number: 33092-89-6
Physical Description: Leaflets ($EtOH/C_6H_6$)
Melting Point: Mp 179-180 dec.°

References:

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