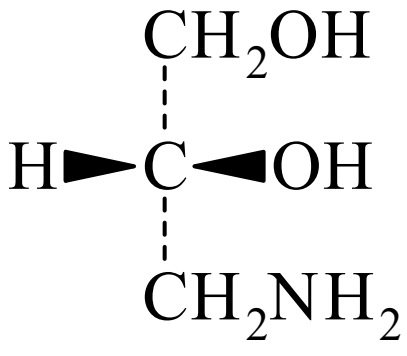
>>**Entry Name: 3-Amino-1,2-propanediol,** 9CI
Synonym(s): 2,3-Dihydroxypropylamine. 3-Aminopropylene glycol



(*R*)-*form*

CAS Registry Number: 616-30-8
Related CAS Registry Numbers(s): 60812-23-9

Molecular Formula: $C_3H_9NO_2$
Molecular Weight: 91.11
Accurate Mass: 91.063329
Percentage Composition: C 39.55%; H 9.96%; N 15.37%; O 35.12%

Aldrich: A7600-1
Fluka: 9265
Sigma: A9161

>>**Variant:** (*R*)-form

Molecular Formula: $C_3H_9NO_2$
Molecular Weight: 91.11
Accurate Mass: 91.063329
Percentage Composition: C 39.55%; H 9.96%; N 15.37%; O 35.12%
Boiling Point: Bp_{15} 163°
Optical Rotation: $[\alpha]_D^{18}$+2.4 (H_2O) (dil. HCl)

>>**Variant:** (*S*)-form

Molecular Formula: $C_3H_9NO_2$
Molecular Weight: 91.11
Accurate Mass: 91.063329
Percentage Composition: C 39.55%; H 9.96%; N 15.37%; O 35.12%
Melting Point: Mp 55-57°
Boiling Point: $Bp_{0.003}$ 95-98°
Optical Rotation: $[\alpha]_D$ –2.4 (H_2O) (dil. HCl)

>>**Variant:** (±)-form

Molecular Formula: $C_3H_9NO_2$
Molecular Weight: 91.11
Accurate Mass: 91.063329
Percentage Composition: C 39.55%; H 9.96%; N 15.37%; O 35.12%
Boiling Point: Bp 264-265° (part dec.). $Bp_{1.5}$ 110-115° (lit. gives a pressure range)
Other Data: Hygroscopic, absorbs CO_2

>>**Derivative:** *O*,*O*-Dibenzoyl

Molecular Formula: $C_{17}H_{17}NO_4$
Molecular Weight: 299.326
Accurate Mass: 299.115759
Percentage Composition: C 68.22%; H 5.72%; N 4.68%; O 21.38%
Physical Description: Needles (as hydrochloride)
Melting Point: Mp 203 dec.° (hydrochloride)