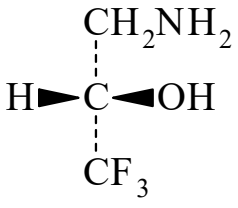
>>**Entry Name: 3-Amino-1,1,1-trifluoro-2-propanol,** 9CI
Synonym(s): 2-Hydroxy-3,3,3-trifluoropropylamine



(*S*)-*form*

CAS Registry Number: 431-38-9

Molecular Formula: $C_3H_6F_3NO$
Molecular Weight: 129.082
Accurate Mass: 129.040148
Percentage Composition: C 27.91%; H 4.68%; F 44.15%; N 10.85%; O 12.39%

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

CAS Registry Number: 160706-71-8
Molecular Formula: $C_3H_6F_3NO$
Molecular Weight: 129.082
Accurate Mass: 129.040148
Percentage Composition: C 27.91%; H 4.68%; F 44.15%; N 10.85%; O 12.39%
Physical Description: Solid
Melting Point: Mp 120-121°
Optical Rotation: $[\alpha]_D^{23}$ –19.54 (c, 1.3 in MeOH) (>=99% ee)

>>**Derivative:** *N,N*-Di-Et

CAS Registry Number: 160595-63-1
Molecular Formula: $C_7H_{14}F_3NO$
Molecular Weight: 185.189
Accurate Mass: 185.102748
Percentage Composition: C 45.40%; H 7.62%; F 30.78%; N 7.56%; O 8.64%
Physical Description: Liq.
Boiling Point: Bp_{40} 100° (Kugelrohr)
Optical Rotation: $[\alpha]_D^{22}$ –29.79 (c, 1.4 in MeOH) (96% ee)

>>**Variant:** (±)-form

Molecular Formula: $C_3H_6F_3NO$
Molecular Weight: 129.082
Accurate Mass: 129.040148
Percentage Composition: C 27.91%; H 4.68%; F 44.15%; N 10.85%; O 12.39%

>>**Derivative:** Hydrochloride

Physical Description: Cryst.
Melting Point: Mp 147-148°

References:

Jones, R.G., *J.A.C.S.*, 1948, **70**, 143, *(synth)*
Ramachandran, P.V. *et al.*, *J.O.C.*, 1995, **60**, 41, *(synth, ir, pmr, cmr, F-19 nmr)*