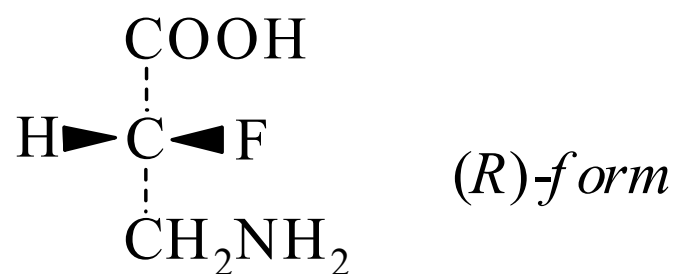




>>Entry Name: 3-Amino-2-fluoropropanoic acid

Synonym(s): 2-Fluoro-β-alanine



CAS Registry Number: 3821-81-6

Molecular Formula: C₃H₆FNO₂

Molecular Weight: 107.084

Accurate Mass: 107.038257

Percentage Composition: C 33.65%; H 5.65%; F 17.74%; N 13.08%; O 29.88%

>>Variant: (*R*)-form

CAS Registry Number: 88099-66-5

Molecular Formula: C₃H₆FNO₂

Molecular Weight: 107.084

Accurate Mass: 107.038257

Percentage Composition: C 33.65%; H 5.65%; F 17.74%; N 13.08%; O 29.88%

Physical Description: Needles (Me₂CO aq.)

Melting Point: Mp 250-253 dec.°

Optical Rotation: [α]_D²⁰+28.4 (c, 0.51 in H₂O)

>>Derivative: Hydrochloride

Melting Point: Mp 190-195 dec.°

>>Variant: (±)-form

Molecular Formula: C₃H₆FNO₂

Molecular Weight: 107.084

Accurate Mass: 107.038257

Percentage Composition: C 33.65%; H 5.65%; F 17.74%; N 13.08%; O 29.88%

>>Derivative: Hydrochloride

Melting Point: Mp 190-195 dec.°

References:

Bergmann, E.D. *et al.*, *J.C.S.*, 1961, 4669-4671, (*synth*)

Tolman, V. *et al.*, *Coll. Czech. Chem. Comm.*, 1964, **29**, 234-238, (*synth*)

Abraham, J. *et al.*, *Tetrahedron*, 1977, **33**, 1227-1234, (*pmr*, *cmr*, *F-19 nmr*)

Somekh, L. *et al.*, *J.A.C.S.*, 1982, **104**, 5836-5837, (*synth*)

Gani, D. *et al.*, *J.C.S. Perkin 1*, 1985, 1363-1372, (*R-form*, *synth*, *pmr*)