



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

Synonym(s): 4,4,4-Trifluorovaline

CAS Registry Number: 16063-79-9

Related CAS Registry Numbers(s): 2365-79-9

F3CCH(CH3)CH(NH2)COOH

Molecular Formula: C₅H₈F₃NO₂

Molecular Weight: 171.119

Accurate Mass: 171.050713

Percentage Composition: C 35.10%; H 4.71%; F 33.31%; N 8.19%; O 18.70%

General Statement: Obt. as mixt. of (±)-*erythro*- and (±)-*threo* forms

Melting Point: Mp 252 dec.°

pKa Value: p*K*_{a1} 1.54; p*K*_{a2} 8.1 (25°)

Other: Oakwood 1548

References:

Babb, R.M. *et al.*, *J.O.C.*, 1970, **35**, 1438