



Optical Rotation: $[\alpha]_{\text{D}}^{23} +3.9$ (c, 1 in MeOH)

>>**Variant:** (±)-form

CAS Registry Number: 14091-16-8

Molecular Formula: $\text{C}_{10}\text{H}_{10}\text{F}_3\text{NO}_2$

Molecular Weight: 233.19

Accurate Mass: 233.066363

Percentage Composition: C 51.51%; H 4.32%; F 24.44%; N 6.01%; O 13.72%

Melting Point: Mp 222°

>>**Derivative:** Hydrochloride

Melting Point: Mp 196-203°

>>**Derivative:** *N*-Ac

CAS Registry Number: 82337-58-4

Molecular Formula: $\text{C}_{12}\text{H}_{12}\text{F}_3\text{NO}_3$

Molecular Weight: 275.227

Accurate Mass: 275.076928

Percentage Composition: C 52.37%; H 4.39%; F 20.71%; N 5.09%; O 17.44%

Physical Description: Cryst. (Me_2CO aq.)

Melting Point: Mp 198-200° (178-178.5°)

>>**Derivative:** *N*-Ac, Me ester

CAS Registry Number: 82317-73-5

Molecular Formula: $\text{C}_{13}\text{H}_{14}\text{F}_3\text{NO}_3$

Molecular Weight: 289.254

Accurate Mass: 289.092578

Percentage Composition: C 53.98%; H 4.88%; F 19.70%; N 4.84%; O 16.59%

Melting Point: Mp 112°

>>**Derivative:** *N*-Trifluoroacetyl

CAS Registry Number: 114872-88-7

Melting Point: Mp 132°

References:

Filler, R. *et al.*, *J.O.C.*, 1960, **25**, 733, (*synth*, (±)-*form derivs*)

Nestor, J.T. *et al.*, *J. Med. Chem.*, 1982, **25**, 795, (*synth, resoln, ±-form, N-Ac, N-Ac Me ester, R-form N-Ac, Me ester*)

Porter, J. *et al.*, *Int. J. Pept. Protein Res.*, 1987, **30**, 13, (*synth, resoln, derivs*)

Maeda, M. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 826, (*S-form, N-Boc*)