



Molecular Formula: C₁₈H₁₆F₃NO₄
Molecular Weight: 367.324
Accurate Mass: 367.103143
Percentage Composition: C 58.86%; H 4.39%; F 15.52%; N 3.81%; O 17.42%
Melting Point: Mp 106-107°
Optical Rotation: [α]_D²⁵ -2 (c, 1 in MeOH)

>> **Derivative:** *N*-Benzyloxycarbonyl, 4-nitrophenyl ester

CAS Registry Number: 14296-90-3
Molecular Formula: C₂₄H₁₉F₃N₂O₆
Molecular Weight: 488.419
Accurate Mass: 488.119522
Percentage Composition: C 59.02%; H 3.92%; F 11.67%; N 5.74%; O 19.65%
Melting Point: Mp 106-107°
Optical Rotation: [α]_D²⁵ -30 (c, 1 in MeOH)

>> **Variant:** (±)-form

CAS Registry Number: 63701-37-1
Molecular Formula: C₁₀H₁₀F₃NO₂
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%

>> **Derivative:** Hydrochloride

CAS Registry Number: 102422-52-6
Physical Description: Cryst. (HCl aq.)
Melting Point: Mp 199-202° (dec.). Mp 240-248°

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

CAS Registry Number: 82337-57-3
Molecular Formula: C₁₂H₁₂F₃NO₃
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. (Me₂CO aq.)
Melting Point: Mp 132-133° (120-122°)

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

CAS Registry Number: 82317-72-4
Molecular Formula: C₁₃H₁₄F₃NO₃
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 63-65°

>> **Derivative:** *N*-Benzoyl

Molecular Formula: C₁₇H₁₄F₃NO₃
Molecular Weight: 337.298
Accurate Mass: 337.092578
Percentage Composition: C 60.54%; H 4.18%; F 16.90%; N 4.15%; O 14.23%
Physical Description: Cryst. (Me₂CO aq.)
Melting Point: Mp 167-168°

References:

Filler, R. *et al.*, *J.O.C.*, 1960, **25**, 733, (*synth, N-Ac, N-benzoyl*)
Nicolaides, E. *et al.*, *J. Med. Chem.*, 1966, **9**, 958, (*synth, resoln*)
Nestor, J.T. *et al.*, *J. Med. Chem.*, 1982, **25**, 795, (*synth, resoln, derivs*)