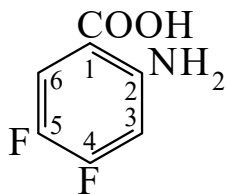




>>Entry Name: 2-Amino-4,5-difluorobenzoic acid, 9CI

Synonym(s): 4,5-Difluoroanthranilic acid, 8CI



CAS Registry Number: 83506-93-8

Molecular Formula: $C_7H_5F_2NO_2$

Molecular Weight: 173.119

Accurate Mass: 173.028835

Percentage Composition: C 48.57%; H 2.91%; F 21.95%; N 8.09%; O 18.48%

Use/Importance: Intermediate for antibacterial agents

Melting Point: Mp 176-178°

Aldrich: 39976-0

Fluka: 7700

>>Derivative: Hydrochloride

CAS Registry Number: 20372-64-9

Physical Description: Cryst. (Me_2CO aq.)

Melting Point: Mp 188-189°

>>Derivative: Me ester

CAS Registry Number: 20372-65-0

Molecular Formula: $C_8H_7F_2NO_2$

Molecular Weight: 187.146

Accurate Mass: 187.044485

Percentage Composition: C 51.34%; H 3.77%; F 20.30%; N 7.48%; O 17.10%

Physical Description: Cryst. (as hydrochloride)

Melting Point: Mp 179-180° (hydrochloride)

Other Data: CAS no. refers to hydrochloride

References:

De Graw, J.I. *et al.*, *J. Chem. Eng. Data*, 1968, **13**, 587, (*synth*)

Fifolt, M.J. *et al.*, *J.O.C.*, 1989, **54**, 3019, (*F-19 nmr*)

Braish, T.F. *et al.*, *Synth. Commun.*, 1992, **22**, 3067, (*synth, pmr*)