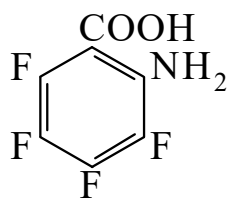




>>Entry Name: 2-Amino-3,4,5,6-tetrafluorobenzoic acid, 9CI

Synonym(s): Tetrafluoroanthranilic acid, 8CI



CAS Registry Number: 1765-42-0

Molecular Formula:  $C_7H_3F_4NO_2$

Molecular Weight: 209.1

Accurate Mass: 209.009991

Percentage Composition: C 40.21%; H 1.45%; F 36.34%; N 6.70%; O 15.30%

Physical Description: Cryst. (H<sub>2</sub>O)

Melting Point: Mp 141-142°

Aldrich: 38170-5

>>Derivative: Et ester

CAS Registry Number: 34941-14-5

Molecular Formula:  $C_9H_7F_4NO_2$

Molecular Weight: 237.153

Accurate Mass: 237.041291

Percentage Composition: C 45.58%; H 2.97%; F 32.04%; N 5.91%; O 13.49%

Physical Description: Cryst. (petrol)

Melting Point: Mp 65-66°

>>Derivative: Amide

Molecular Formula:  $C_7H_4F_4N_2O$

Molecular Weight: 208.115

Accurate Mass: 208.025975

Percentage Composition: C 40.40%; H 1.94%; F 36.52%; N 13.46%; O 7.69%

Physical Description: Cryst. (H<sub>2</sub>O)

Melting Point: Mp 140-141°

>>Derivative: Nitrile

Synonym(s): 2-Cyano-3,4,5,6-tetrafluoroaniline

Molecular Formula:  $C_7H_2F_4N_2$

Molecular Weight: 190.1

Accurate Mass: 190.01541

Percentage Composition: C 44.23%; H 1.06%; F 39.98%; N 14.74%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 89-90°

Boiling Point: Bp<sub>14</sub> 115°

#### References:

Gething, B. *et al.*, *J.C.S.*, 1961, 1574, (*synth, ir*)

Belf, L.J. *et al.*, *Tetrahedron*, 1967, **23**, 4719

Brooke, G.M. *et al.*, *Tetrahedron*, 1971, **27**, 5653