



>>Entry Name: 2,5-Diaminobenzoic acid

CAS Registry Number: 610-74-2

Molecular Formula: $C_7H_8N_2O_2$

Molecular Weight: 152.152

Accurate Mass: 152.058578

Percentage Composition: C 55.26%; H 5.30%; N 18.41%; O 21.03%

Physical Description: Prisms (H_2O)

Other Data: Darkens at 200°

>>Derivative: Me ester

CAS Registry Number: 49592-84-9

Molecular Formula: $C_8H_{10}N_2O_2$

Molecular Weight: 166.179

Accurate Mass: 166.074228

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Melting Point: Mp 71-74°

Other Data: Rapidly dec.

>>Derivative: Et ester

CAS Registry Number: 27414-03-5

Molecular Formula: $C_9H_{12}N_2O_2$

Molecular Weight: 180.206

Accurate Mass: 180.089878

Percentage Composition: C 59.99%; H 6.71%; N 15.55%; O 17.76%

Melting Point: Mp 51°

>>Derivative: Nitrile

Synonym(s): 5-Aminoanthranilonitrile

CAS Registry Number: 14346-13-5

Molecular Formula: $C_7H_7N_3$

Molecular Weight: 133.152

Accurate Mass: 133.063997

Percentage Composition: C 63.14%; H 5.30%; N 31.56%

Physical Description: Needles (C_6H_6 /petrol)

Melting Point: Mp 89-90°

Other: MG Z290

>>Derivative: 2,5-*N*-Di-Ac

Molecular Formula: $C_{11}H_{12}N_2O_4$

Molecular Weight: 236.227

Accurate Mass: 236.079708

Percentage Composition: C 55.93%; H 5.12%; N 11.86%; O 27.09%

Melting Point: Mp 262 dec.°

References:

Adams, R. *et al.*, *J.A.C.S.*, 1954, **76**, 1114

Stevens, M.F.G., *J.C.S.(C)*, 1968, 348, (*nitrile, synth*)

Barabashova, G.D. *et al.*, *CA*, 1970, **72**, 110425m, (*uv*)