



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

CAS Registry Number: 13280-60-9

Molecular Formula: $C_7H_6N_2O_4$

Molecular Weight: 182.135

Accurate Mass: 182.032758

Percentage Composition: C 46.16%; H 3.32%; N 15.38%; O 35.14%

Physical Description: Yellow needles or prisms (H_2O)

Melting Point: Mp 235 dec.°

>>Derivative: *N*-Ac

CAS Registry Number: 4368-83-6

Molecular Formula: $C_9H_8N_2O_5$

Molecular Weight: 224.173

Accurate Mass: 224.043323

Percentage Composition: C 48.22%; H 3.60%; N 12.50%; O 35.69%

Physical Description: Brownish-red cryst. (H_2O), needles (AcOH)

Melting Point: Mp 225°

>>Derivative: Et ester

CAS Registry Number: 16994-15-3

Molecular Formula: $C_9H_{10}N_2O_4$

Molecular Weight: 210.189

Accurate Mass: 210.064058

Percentage Composition: C 51.43%; H 4.80%; N 13.33%; O 30.45%

Physical Description: Yellow cryst. (EtOH aq.)

Melting Point: Mp 107.5°

References:

Hewitt, J.T. *et al.*, *J.C.S.*, 1907, **91**, 1258, (*synth*)

Kalb, L. *et al.*, *Ber.*, 1926, **59**, 736, (*synth*)