



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

Synonym(s): 5-Nitroanthranilic acid

CAS Registry Number: 616-79-5

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%

Biological Source: Prod. by *Streptomyces scabies*

Physical Description: Yellow needles (EtOH aq.)

Melting Point: Mp 280° (268-270°)

Aldrich: 34069-3

Fluka: 8845

>>Derivative: N-Ac

CAS Registry Number: 3558-18-7

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: Yellow needles (H₂O)

Melting Point: Mp 216-217°

>>Derivative: Me ester

CAS Registry Number: 3816-62-4

Molecular Formula: $C_8H_8N_2O_4$

Molecular Weight: 196.162

Accurate Mass: 196.048408

Percentage Composition: C 48.98%; H 4.11%; N 14.28%; O 32.62%

Physical Description: Greenish-yellow needles (EtOH aq.)

Melting Point: Mp 168°

Other Data: Sublimes

>>Derivative: Et ester

CAS Registry Number: 32203-24-0

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 needles (EtOH)

Melting Point: Mp 148°

>>Derivative: Amide

CAS Registry Number: 16313-65-8

Molecular Formula: $C_7H_7N_3O_3$

Molecular Weight: 181.151

Accurate Mass: 181.048742

Percentage Composition: C 46.41%; H 3.89%; N 23.20%; O 26.50%

Physical Description: Yellow needles (EtOH/Me₂CO)

Melting Point: Mp 230°

Rare Chemicals Library: S76023-4