



>>Entry Name: 2-Amino-6-hydroxybenzoic acid

Synonym(s): 6-Hydroxyanthranilic acid. 6-Aminosalicylic acid

CAS Registry Number: 567-62-4

Molecular Formula: $C_7H_7NO_3$

Molecular Weight: 153.137

Accurate Mass: 153.042594

Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%

>>Derivative: Hydrochloride

CAS Registry Number: 94596-96-0

Melting Point: Mp 214-216 dec.°

>>Derivative: Amide

CAS Registry Number: 136247-88-6

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: Light brown powder

Melting Point: Mp 134-135°

>>Derivative: Me ether

Synonym(s): 2-Amino-6-methoxybenzoic acid. 6-Methoxyanthanilic acid

CAS Registry Number: 53600-33-2

Molecular Formula: $C_8H_9NO_3$

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Physical Description: Needles (H₂O), prisms (2-propanol)

Melting Point: Mp 87°

>>Derivative: Me ether; hydrobromide

CAS Registry Number: 136247-97-7

Physical Description: Light brown cryst. (MeOH/Et₂O)

Melting Point: Mp 157-157.5°

>>Derivative: Me ether, amide

CAS Registry Number: 1591-38-4

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%

Physical Description: Light yellow cryst. (CH₂Cl₂/hexane)

Melting Point: Mp 145-146°

>>Derivative: Me ether, nitrile

Synonym(s): 2-Amino-6-methoxybenzonitrile, 9Cl. 2-Cyano-3-methoxyaniline

CAS Registry Number: 1591-37-3

Molecular Formula: $C_8H_8N_2O$

Molecular Weight: 148.164

Accurate Mass: 148.063663

Percentage Composition: C 64.85%; H 5.44%; N 18.91%; O 10.80%

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 141°

References: