



**>>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 ( $H_2O$ ), prisms (2-propanol)

**Melting Point:** Mp 87°

**>>Derivative:** Me ether; hydrobromide

**CAS Registry Number:** 136247-97-7

**Physical Description:** Light brown cryst. (MeOH/Et<sub>2</sub>O)

**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. ( $CH_2Cl_2$ /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:**