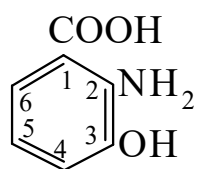




>>Entry Name: 2-Amino-3-hydroxybenzoic acid

Synonym(s): 3-Hydroxyanthranilic acid



CAS Registry Number: 548-93-6

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%

Biological Source: Metab. of Tryptophan [CHP14-U](#) in humans, rats and *Claviceps* spp. Isol. from cultures of *Klebsiella pneumoniae*. Also isol. from *Brassica oleracea*

Physical Description: Leaflets (H_2O)

Melting Point: Mp 164°

pKa Value: pK_{a2} 5.19; pK_{a3} 10.12 (20°)

Hazard & Toxicity: Exp. carcinogen

Aldrich: 14877-6

Rare Chemicals Library: S43090-0

Sigma: H5001

>>Derivative: Hydrochloride

CAS Registry Number: 4920-81-4

Physical Description: Cryst. (HCl)

Melting Point: Mp 198-200°

>>Derivative: Me ether

Synonym(s): 2-Amino-3-methoxybenzoic acid. 3-Methoxyanthranilic acid

CAS Registry Number: 3177-80-8

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: Leaflets (AcOH)

Melting Point: Mp 170-171°

Aldrich: 34010-3

>>Derivative: *O,N*-Di-Me

Synonym(s): 3-Methoxy-2-methylaminobenzoic acid. Damascenenic acid. Damascenic acid

CAS Registry Number: 485-27-8

Molecular Formula: $C_9H_{11}NO_3$

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Melting Point: Mp 144°

Other Data: Forms a trihydrate, Mp 80°

>>Derivative: *O,N*-Di-Me; hydrochloride

Melting Point: Mp 210-211°