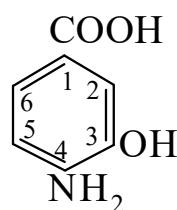




>>Entry Name: 4-Amino-3-hydroxybenzoic acid



CAS Registry Number: 2374-03-0

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%

Source/Synthesis: Microbial degradation product of Chloramphenicol [BDT71-Q](#)

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 216°

pKa Value: pK_a 4.59

Aldrich: 33959-8

Fluka: 8115

>>Derivative: Me ester

CAS Registry Number: 63435-16-5

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%

Use/Importance: Local anaesthetic (no longer in widespread use)

Physical Description: Plates (C_6H_6 or H_2O)

Melting Point: Mp 120-121°

Calculated Log P Data: Log P 1.28 (calc)

>>Derivative: Et ester

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%

Physical Description: Plates ($CHCl_3$ /petrol)

>>Derivative: 5-Dodecenyl ester

Synonym(s): 5-Dodecenyl 4-amino-3-hydroxybenzoate. **Antibiotic B 5354A**. B 5354A

CAS Registry Number: 207570-66-9

Molecular Formula: $C_{19}H_{29}NO_3$

Molecular Weight: 319.443

Accurate Mass: 319.214744

Percentage Composition: C 71.44%; H 9.15%; N 4.38%; O 15.03%

Biological Source: Prod. by marine bacterium SANK 71896

Biological Use/Importance: Sphingosine kinase inhibitor

UV: [neutral] λ_{max} 229 (ϵ 10200); 281 (ϵ 9200); 295 (ϵ 16100); 309 (ϵ 12700) (MeOH)

>>Derivative: 7-Z-Tetradecenyl ester

Synonym(s): 7-Tetradecenyl 4-amino-3-hydroxybenzoate. **Antibiotic B 5354C**. B 5354C

CAS Registry Number: 207570-68-1

Molecular Formula: $C_{21}H_{33}NO_3$

Molecular Weight: 347.497

Accurate Mass: 347.246044

Percentage Composition: C 72.59%; H 9.57%; N 4.03%; O 13.81%

Biological Source: Prod. by marine bacterium SANK 71896

Biological Use/Importance: Sphingosine kinase inhibitor

Physical Description: Powder

UV: [neutral] λ_{max} 203 (ϵ 16300); 229 (ϵ 9700); 281 (ϵ 8500); 309 (ϵ 11800) (MeOH)