



Synonym(s): 2,7-Tetradecadienyl 4-amino-3-hydroxybenzoate. **Antibiotic B 5354B.** B 5354B

CAS Registry Number: 207570-67-0

Molecular Formula: C₂₁H₃₁NO₃

Molecular Weight: 345.481

Accurate Mass: 345.230394

Percentage Composition: C 73.01%; H 9.04%; N 4.05%; O 13.89%

Biological Source: Prod. by marine bacterium SANK 71896

Biological Use/Importance: Sphingosine kinase inhibitor

UV: [neutral] λ_{max} 203 (ε 16600); 229 (ε 16600); 283 (ε 8800); 309 (ε 12200) (MeOH)

>>Derivative: N-Ac

Molecular Formula: C₉H₉NO₄

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Physical Description: Solid

Melting Point: Mp 249-250°

>>Derivative: Me ether

Synonym(s): 4-Amino-3-methoxybenzoic acid

CAS Registry Number: 2486-69-3

Molecular Formula: C₈H₉NO₃

Molecular Weight: 167.164

Accurate Mass: 167.058244

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

Melting Point: Mp 186-188°

Aldrich: 34702-7

>>Derivative: Me ether; Me ester

CAS Registry Number: 41608-64-4

Molecular Formula: C₉H₁₁NO₃

Molecular Weight: 181.191

Accurate Mass: 181.073894

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

Physical Description: Prisms (MeOH)

Melting Point: Mp 126-127°

Other: PB M11054

References:

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Lingens, F. *et al.*, *Biochim. Biophys. Acta*, 1966, **130**, 245
Seydel, J.K. *et al.*, *J. Med. Chem.*, 1977, **20**, 439
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