



>>Entry Name: **3,4-Dihydroxybenzylamine**

Synonym(s): 4-(Aminomethyl)-1,2-benzenediol, 9Cl. (3,4-Dihydroxyphenyl)methylamine

CAS Registry Number: 37491-68-2

Structure by analogy with 2,3-Dihydroxybenzylamine, [BJS93-J](#)

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Use/Importance: Reference standard in liq. chromatographic detn. of catecholamines

>>Derivative: Hydrochloride

CAS Registry Number: 1124-40-9

Melting Point: Mp 172°

>>Derivative: Hydrobromide

CAS Registry Number: 16290-26-9

Melting Point: Mp 192-195°

Aldrich: 85878-1

Fluka: 37616

Sigma: D7012

>>Derivative: 3-Me ether

Synonym(s): 4-Hydroxy-3-methoxybenzylamine. α -Amino-2-methoxy-*p*-cresol. α -Aminocresol. Vanillylamine

CAS Registry Number: 1196-92-5

Molecular Formula: C₈H₁₁NO₂

Molecular Weight: 153.18

Accurate Mass: 153.078979

Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%

Physical Description: Needles + 2H₂O (H₂O)

Melting Point: Mp 137° (hydrate). Mp 146° (anhyd.)

>>Derivative: 3-Me ether; hydrochloride

CAS Registry Number: 7149-10-2

Physical Description: Light yellow solid

Melting Point: Mp 219-222 dec.°

Aldrich: H3660-5

>>Derivative: 3-Me ether, *N*-(6-methyl-4*E*-heptenoyl)

Synonym(s): *N*-[(4-Hydroxy-3-methoxyphenyl)methyl]-6-methyl-4-heptenamide. **Dinorcapsaicin**. Normorcapsaicin

CAS Registry Number: 61229-09-2

Molecular Formula: C₁₆H₂₃NO₃

Molecular Weight: 277.363

Accurate Mass: 277.167794

Percentage Composition: C 69.29%; H 8.36%; N 5.05%; O 17.31%

Biological Source: Constit. of *Capsicum annuum*

>>Derivative: 3-Me ether, *N*-octanoyl

Synonym(s): *N*-[(4-Hydroxy-3-methoxyphenyl)methyl]octanamide, 9Cl

CAS Registry Number: 58493-47-3

Molecular Formula: C₁₆H₂₅NO₃

Molecular Weight: 279.378

Accurate Mass: 279.183444

Percentage Composition: C 68.79%; H 9.02%; N 5.01%; O 17.18%

Biological Source: Constit. of *Capsicum annuum*. Component of La Jiao