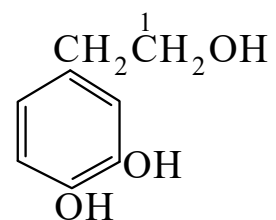




>>Entry Name: 2-(3,4-Dihydroxyphenyl)ethanol

ENTRY UNDER REVIEW

Synonym(s): 4-(2-Hydroxyethyl)-1,2-benzenediol, 9CI. 3,4-Dihydroxyphenethyl alcohol, 8CI. 3,4-Dihydroxybenzeneethanol. Hydroxytyrosol



CAS Registry Number: 10597-60-1

Type of Compound Code(s): VG0010 WA2800 WI3500

Molecular Formula: C₈H₁₀O₃

Molecular Weight: 154.165

Accurate Mass: 154.062995

Percentage Composition: C 62.33%; H 6.54%; O 31.13%

General Statement: Many complex glycosides known

Use/Importance: An indicator of maturity in olives which increases as the fruit ripens. Antioxidant

Physical Description: Oil

Boiling Point: Bp_{0.02} 170-175° part. dec.

Other Data: Previously incorrectly descr. as cryst., Mp 81-83°

>>Derivative: 1-O-β-D-Allopyranoside

CAS Registry Number: 184479-30-9

Type of Compound Code(s): VG0010

Molecular Formula: C₁₄H₂₀O₈

Molecular Weight: 316.307

Accurate Mass: 316.11582

Percentage Composition: C 53.16%; H 6.37%; O 40.47%

Biological Source: Constit. of the liverwort *Conocephalum conicum*

Optical Rotation: [α]_D -25 (c, 0.8 in CHCl₃) (as hexa-Ac)

>>Derivative: 1-O-[3,4-Dihydroxy-*E*-cinnamoyl-(→3)-β-D-allopyranoside]

Synonym(s): Sanangoside

Type of Compound Code(s): VG0010 VG0060

Molecular Formula: C₂₃H₂₆O₁₁

Molecular Weight: 478.452

Accurate Mass: 478.147515

Percentage Composition: C 57.74%; H 5.48%; O 36.78%

Biological Source: Constit. of *Sanango racemosum* and *Magnolia obovata*

Biological Use/Importance: Shows antitumour props

Physical Description: Foam

Optical Rotation: [α]_D²¹ -55 (c, 0.8 in MeOH)

>>Derivative: 1-O-[3,4-Dihydroxycinnamoyl-(→4)-β-D-allopyranoside]

CAS Registry Number: 167278-08-2

Type of Compound Code(s): VG0010 VG0060

Molecular Formula: C₂₃H₂₆O₁₁

Molecular Weight: 478.452

Accurate Mass: 478.147515

Percentage Composition: C 57.74%; H 5.48%; O 36.78%

Biological Source: Constit. of the fern *Trichomanes reniforme*

Physical Description: Amorph. solid

Optical Rotation: [α]_D +4 (c, 1 in MeOH)