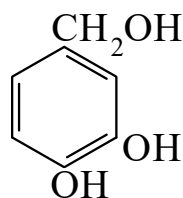




>>Entry Name: 3,4-Dihydroxybenzyl alcohol, 8Cl

ENTRY UNDER REVIEW

Synonym(s): 3,4-Dihydroxybenzenemethanol, 9Cl. α ,3,4-Trihydroxytoluene. Protocatechuyl alcohol. 3,4-Dihydroxyphenylcarbinol. 4-(Hydroxymethyl)-1,2-benzenediol



CAS Registry Number: 3897-89-0

Molecular Formula: $C_7H_8O_3$

Molecular Weight: 140.138

Accurate Mass: 140.047345

Percentage Composition: C 60.00%; H 5.75%; O 34.25%

Physical Description: Highly air-sensitive prisms (H_2O)

Melting Point: Mp 137-138°

>>Derivative: 4-*O*- β -D-Glucopyranoside

Synonym(s): Calleryanin

CAS Registry Number: 20300-53-2

Molecular Formula: $C_{13}H_{18}O_8$

Molecular Weight: 302.28

Accurate Mass: 302.10017

Percentage Composition: C 51.66%; H 6.00%; O 42.34%

Biological Source: Isol. from leaves of *Pyrus calleryana*

Other Data: Occurs partly as various aromatic esters, not fully characterised

>>Derivative: 4-*O*-(6-*O*-Benzoyl- β -D-glucopyranoside)

Synonym(s): Lacticolorin

CAS Registry Number: 41942-94-3

Molecular Formula: $C_{20}H_{22}O_9$

Molecular Weight: 406.388

Accurate Mass: 406.126385

Percentage Composition: C 59.11%; H 5.46%; O 35.43%

Biological Source: Isol. from leaves of *Protea laticolor*

Physical Description: Cryst. (H_2O)

Melting Point: Mp 192-195°

Optical Rotation: $[\alpha]_D -58$ (c, 0.59 in MeOH)

>>Derivative: 4-*O*-[3,4-Dihydroxycinnamoyl-($\rightarrow$ 3)- β -D-glucopyranoside]

CAS Registry Number: 128150-93-6

Molecular Formula: $C_{22}H_{24}O_{11}$

Molecular Weight: 464.425

Accurate Mass: 464.131865

Percentage Composition: C 56.90%; H 5.21%; O 37.89%

Biological Source: Constit. of *Achyrocline* sp.

>>Derivative: 4-*O*-(6-*O*-Benzoyl- β -D-allopyranoside)

Synonym(s): Pilorubrosin

CAS Registry Number: 33993-68-9

Molecular Formula: $C_{20}H_{22}O_9$

Molecular Weight: 406.388

Accurate Mass: 406.126385

Percentage Composition: C 59.11%; H 5.46%; O 35.43%

Biological Source: Isol. from *Protea rubropilosa*

Physical Description: Cryst. (H_2O)

Melting Point: Mp 170°

Optical Rotation: $[\alpha]_D -66$ (c, 0.87 in MeOH)