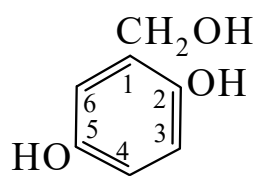




>>Entry Name: 2,5-Dihydroxybenzyl alcohol, 8Cl

Synonym(s): 2,5-Dihydroxybenzenemethanol, 9Cl. α ,2,5-Trihydroxytoluene. 2-(Hydroxymethyl)-1,4-benzenediol. Gentisyl alcohol. Salirepol. Gentisin alcohol



CAS Registry Number: 495-08-9

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%

Biological Source: Metab. of *Phoma* spp. and *Penicillium roqueforti*

Use/Importance: Phytotoxic

Physical Description: Red-brown cryst. (Et₂O/petrol)

Melting Point: Mp 104-105°

Solubility: BERDY SOL: Sol. H₂O, Et₂O, EtOH; fairly sol. C₆H₆, CHCl₃; poorly sol. hexane

Other Data: Readily oxidised

>>Derivative: Tribenzoyl

Molecular Formula: $C_{28}H_{20}O_6$

Molecular Weight: 452.462

Accurate Mass: 452.12599

Percentage Composition: C 74.33%; H 4.46%; O 21.22%

Melting Point: Mp 124.5-125.5°

>>Derivative: 2-O- β -D-Glucopyranoside

Synonym(s): Salirepin

CAS Registry Number: 26652-12-0

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%

Source/Synthesis: Obt. by debenzoylation of Salireposide below

Melting Point: Mp 165-167°

>>Derivative: 2-O- β -D-Glucopyranoside, hexa-Ac

Melting Point: Mp 117°

Optical Rotation: $[\alpha]_D^{27} -25.5$ (CHCl₃)

>>Derivative: 1'-O-Benzoyl, 2-O- β -D-glucopyranoside

Synonym(s): Salireposide

CAS Registry Number: 16955-55-8

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: Constit. of bark of *Salix* spp., *Populus* spp. and other plants

Physical Description: Fine needles

Melting Point: Mp 206-207°

Optical Rotation: $[\alpha]_D -37$ (Py/Me₂CO)