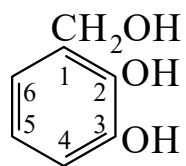




>>Entry Name: **2,3-Dihydroxybenzyl alcohol**

Synonym(s): 3-(Hydroxymethyl)-1,2-benzenediol, 9CI



CAS Registry Number: 14235-77-9

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%

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

Synonym(s): Idesin

CAS Registry Number: 20331-85-5

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 *Idesia polycarpa*

Melting Point: Mp 98-100°

>>Derivative: O^2 - β -D-Glucopyranoside, O^1 '-sulfate

Synonym(s): Idesin hydrogen sulfate

Molecular Formula: $C_{13}H_{18}O_{11}S$

Molecular Weight: 382.345

Accurate Mass: 382.056985

Percentage Composition: C 40.84%; H 4.74%; O 46.03%; S 8.39%

Biological Source: Constit. of *Idesia polycarpa*

Physical Description: Syrup

Optical Rotation: $[\alpha]_D^{26} +6.5$ (c,2 in MeOH)

UV: [neutral] $\lambda_{\max}$ 206 (log ϵ 3.93); 277 (log ϵ 3.33) (MeOH)

>>Derivative: 3-Me ether

Synonym(s): 2-Hydroxy-3-methoxybenzyl alcohol, 8CI. 2-Hydroxy-3-methoxybenzenemethanol, 9CI. *o*-Vanillyl alcohol

CAS Registry Number: 4383-05-5

Molecular Formula: $C_8H_{10}O_3$

Molecular Weight: 154.165

Accurate Mass: 154.062995

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

Physical Description: Cryst. (C_6H_6)

Melting Point: Mp 61-62°

Boiling Point: Bp₁₂ 162°

Aldrich: 30596-0

>>Derivative: 2,3-Di-Me ether

Synonym(s): 2,3-Dimethoxybenzyl alcohol, 8CI. 2,3-Dimethoxybenzenemethanol, 9CI. α -Hydroxy-2,3-dimethoxytoluene. *o*-Veratryl alcohol

CAS Registry Number: 5653-67-8

Molecular Formula: $C_9H_{12}O_3$

Molecular Weight: 168.192

Accurate Mass: 168.078645

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 50-51°

Boiling Point: Bp₁₀ 138-142°

Aldrich: 12631-4

References: