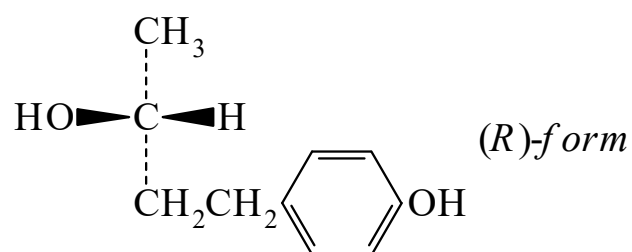




>>Entry Name: 4-(4-Hydroxyphenyl)-2-butanol, 9CI

Synonym(s): 4-Hydroxy- α -methylbenzenepropanol. 4-(3-Hydroxybutyl)phenol. Betuligenol. **Rhododendrol**



CAS Registry Number: 69617-84-1

Molecular Formula: C₁₀H₁₄O₂

Molecular Weight: 166.219

Accurate Mass: 166.09938

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

>>Variant: (*R*)-form

CAS Registry Number: 501-96-2

Molecular Formula: C₁₀H₁₄O₂

Molecular Weight: 166.219

Accurate Mass: 166.09938

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Aglycone from Betuloside and from *Acer* sp., *Cistus* sp., *Taxus baccata* and *Rhododendron* spp.

Melting Point: Mp 81.5°

Optical Rotation: [α]_D −18.5 (EtOH)

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

Synonym(s): **Betuloside**. Rhododendrin

CAS Registry Number: 497-78-9

Molecular Formula: C₁₆H₂₄O₇

Molecular Weight: 328.361

Accurate Mass: 328.152205

Percentage Composition: C 58.53%; H 7.37%; O 34.11%

Biological Source: Isol. from birch sap

Physical Description: Cryst. powder

Melting Point: Mp 190°

Optical Rotation: [α]_D¹⁸ −44.4 (H₂O)

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

Molecular Formula: C₁₆H₂₄O₇

Molecular Weight: 328.361

Accurate Mass: 328.152205

Percentage Composition: C 58.53%; H 7.37%; O 34.11%

Biological Source: Constit. of *Betula schmidtii*

Physical Description: Amorph. powder

Optical Rotation: [α]_D −52 (c, 1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 220 (log ϵ 4.39); 275 (log ϵ 3.62) (MeOH)

>>Derivative: 2-*O*-[β -D-Apiofuranosyl-(1→6)- β -D-glucopyranoside]

Synonym(s): **Apiosylrhododendrin**

CAS Registry Number: 146609-83-8

Molecular Formula: C₂₁H₃₂O₁₁

Molecular Weight: 460.477

Accurate Mass: 460.194465

Percentage Composition: C 54.78%; H 7.00%; O 38.22%

Biological Source: Constit. of *Betula ermanii*, *Betula pendula* and *Betula pubescens*

Optical Rotation: [α]_D −95.5 (c, 1 in EtOH). [α]_D −83.1 (c, 3 in MeOH)

UV: [neutral] $\lambda_{\max}$ 223 (ϵ 75860); 279 (ϵ 19050) (MeOH)