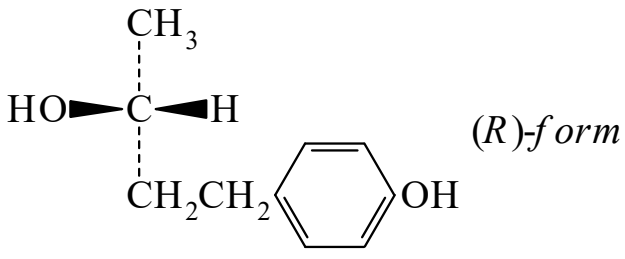
>>**Entry Name: 4-(4-Hydroxyphenyl)-2-butanol,** 9CI
Synonym(s): 4-Hydroxy-α-methylbenzenepropanol. 4-(3-Hydroxybutyl)phenol. Betuligenol. **Rhododendrol**



(*R*)-*form*

CAS Registry Number: 69617-84-1

Molecular Formula: $C_{10}H_{14}O_2$
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: $C_{10}H_{14}O_2$
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: $[\alpha]_D$ –18.5 (EtOH)

>>**Derivative:** 2-*O*-β-D-Glucopyranoside
Synonym(s): Betuloside. Rhododendrin

CAS Registry Number: 497-78-9

Molecular Formula: $C_{16}H_{24}O_7$
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: $[\alpha]_D^{18}$ –44.4 (H_2O)

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

Molecular Formula: $C_{16}H_{24}O_7$
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: $[\alpha]_D$ –52 (c, 1 in MeOH)
UV: [neutral] λ_{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: $C_{21}H_{32}O_{11}$
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: $[\alpha]_D$ –95.5 (c, 1 in EtOH). $[\alpha]_D$ –83.1 (c, 3 in MeOH)
UV: [neutral] λ_{max} 223 (ε 75860); 279 (ε 19050) (MeOH)