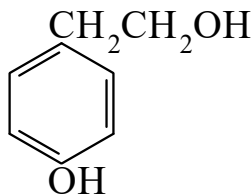




>>Entry Name: 2-(4-Hydroxyphenyl)ethanol

Synonym(s): 4-Hydroxybenzeneethanol, 9Cl. *p*-Hydroxyphenethyl alcohol. Tyrosol. Salidrosol



CAS Registry Number: 501-94-0

Molecular Formula: C₈H₁₀O₂

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Biological Source: Prod. by several *Ceratocystis* spp. Isol. from leaves of *Ligustrum ovalifolium* and bark of *Fraxinus excelsior*. Prod. by *Gibberella fujikuroi*. Also isol. from peanuts.

Physical Description: Needles (CHCl₃)

Melting Point: Mp 85-86°

Solubility: Sol. H₂O, EtOH, Et₂O, Me₂CO; spar. sol. petrol

Aldrich: 18825-5

Fluka: 56105

>>Derivative: 1-*O*-β-D-Glucopyranoside

Synonym(s): Salidroside. Rhodosin. Rhodiolside

CAS Registry Number: 10338-51-9

Molecular Formula: C₁₄H₂₀O₇

Molecular Weight: 300.308

Accurate Mass: 300.120905

Percentage Composition: C 55.99%; H 6.71%; O 37.29%

Biological Source: Constit. of almond bark (*Salix triandra*), *Rhodiola* spp. and other plants

Physical Description: Plates (EtOAc/petrol)

Melting Point: Mp 159-160° (154-162°)

Optical Rotation: [α]_D²⁰ -32.1 (c, 1.26 in H₂O)

Other Data: Bitter taste

>>Derivative: 1-*O*-[3,4,5-Trihydroxybenzoyl-(→3)-β-D-glucopyranoside]

Synonym(s): 3''-*O*-Galloylsalidroside

CAS Registry Number: 83013-87-0

Molecular Formula: C₂₁H₂₄O₁₁

Molecular Weight: 452.414

Accurate Mass: 452.131865

Percentage Composition: C 55.75%; H 5.35%; O 38.90%

Biological Source: From *Quercus stenophylla*

Physical Description: Off-white amorph. powder

Optical Rotation: [α]_D¹⁹ +4.5 (c, 0.5 in MeOH)

>>Derivative: 1-*O*-[3,4,5-Trihydroxybenzoyl-(→6)-β-D-glucopyranoside]

Synonym(s): 6''-*O*-Galloylsalidroside

CAS Registry Number: 83013-86-9

Molecular Formula: C₂₁H₂₄O₁₁

Molecular Weight: 452.414

Accurate Mass: 452.131865

Percentage Composition: C 55.75%; H 5.35%; O 38.90%

Biological Source: Glycoside from *Quercus stenophylla*

Physical Description: Pale yellow needles + ½ H₂O

Melting Point: Mp 116-117°

Optical Rotation: [α]_D +15.1 (Me₂CO)