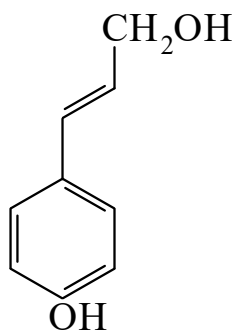




>>Entry Name: 3-(4-Hydroxyphenyl)-2-propen-1-ol, 9CI

Synonym(s): 4-(3-Hydroxy-1-propenyl)phenol, 9CI. 4-Hydroxycinnamyl alcohol. *p*-Coumaryl alcohol



CAS Registry Number: 3690-05-9

Related CAS Registry Numbers(s): 17581-85-0 132294-76-9

Molecular Formula: C₉H₁₀O₂

Molecular Weight: 150.177

Accurate Mass: 150.06808

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

>>Variant: (*E*)-form

CAS Registry Number: 20649-40-5

Molecular Formula: C₉H₁₀O₂

Molecular Weight: 150.177

Accurate Mass: 150.06808

Percentage Composition: C 71.98%; H 6.71%; O 21.31%

Physical Description: Prisms

Melting Point: Mp 124° (89.3-90.5°)

Other Data: Acid-sensitive

>>Derivative: Bis(3,5-dinitrobenzoyl)

Physical Description: Needles

Melting Point: Mp 195°

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

Synonym(s): Triandrin. Sachaliside 1

CAS Registry Number: 19764-35-3

Molecular Formula: C₁₅H₂₀O₇

Molecular Weight: 312.319

Accurate Mass: 312.120905

Percentage Composition: C 57.69%; H 6.45%; O 35.86%

Biological Source: Obt. from peel of *Salix triandra*; also in *Salix viminalis*, *Salix alba*, *Salix cinerea*, *Salix aurita*, *Salix caprea*, *Salix fragilis*, *Salix myrsinifolia*, *Salix pentandra* and *Salix sachalinesis*

Physical Description: Needles (EtOAc)

Melting Point: Mp 177-179° (152-152.5°)

Optical Rotation: $[\alpha]_{\text{D}}^{20} -60.5$ (c, 1.85 in H₂O)

Other Data: Stereochem. of Triandrin not detd. but prob. (*E*-). Stereochem. of Sachaliside 1 detd. as (*E*-)

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

Synonym(s): *p*-Coumaryl β-D-glucopyranoside

CAS Registry Number: 120442-73-1

Extra CAS Registry Numbers(s): 59092-89-6

Molecular Formula: C₁₅H₂₀O₇

Molecular Weight: 312.319

Accurate Mass: 312.120905

Percentage Composition: C 57.69%; H 6.45%; O 35.86%

Biological Source: Constit. of *Arum italicum*, *Lilium cordatum*, *Millingtonia hortensis* and *Urtica dioica*

Physical Description: Needles

Melting Point: Mp 171-174°

Optical Rotation: $[\alpha]_{\text{D}}^{17} -57.4$ (c, 0.9 in MeOH)