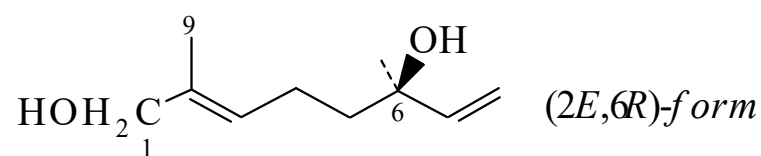




>>Entry Name: 2,6-Dimethyl-2,7-octadiene-1,6-diol

Synonym(s): 9-Hydroxylinalool



CAS Registry Number: 64142-78-5

Related CAS Registry Numbers(s): 74984-70-6 75991-61-6 103619-06-3 162302-46-7

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

General Statement: Numbering systems vary

>>Variant: (2E,6R)-form

CAS Registry Number: 61434-50-2

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Physical Description: Oil

Optical Rotation:  $[\alpha]_D^{25} -12.8$  (c, 1.08 in MeOH)

>>Derivative: 1-O-β-D-Glucopyranoside

Synonym(s): Betulalbuside A

CAS Registry Number: 64776-96-1

Type of Compound Code(s): VS0100

Molecular Formula: C<sub>16</sub>H<sub>28</sub>O<sub>7</sub>

Molecular Weight: 332.393

Accurate Mass: 332.183505

Percentage Composition: C 57.82%; H 8.49%; O 33.69%

Biological Source: Constit. of *Betula alba*, *Chaenomeles japonica*, *Viburnum orientale* and *Viburnum lanata*

Physical Description: Oil

>>Derivative: 6-O-β-D-Glucopyranoside

CAS Registry Number: 126005-74-1

Type of Compound Code(s): VS0100

Molecular Formula: C<sub>16</sub>H<sub>28</sub>O<sub>7</sub>

Molecular Weight: 332.393

Accurate Mass: 332.183505

Percentage Composition: C 57.82%; H 8.49%; O 33.69%

Biological Source: Constit. of *Pluchea indica* and *Solanum vestissimum*

Physical Description: Viscous oil

Optical Rotation:  $[\alpha]_D^{24} -19.9$  (c, 1.5 in MeOH)

>>Variant: (2E,6S)-form

CAS Registry Number: 66957-95-7

Type of Compound Code(s): VS0100

Molecular Formula: C<sub>10</sub>H<sub>18</sub>O<sub>2</sub>

Molecular Weight: 170.251

Accurate Mass: 170.13068

Percentage Composition: C 70.55%; H 10.66%; O 18.80%

Biological Source: Constit. of *Nicotiana tabacum*

Physical Description: Oil

Optical Rotation:  $[\alpha]_D +17.5$  (c, 0.79 in MeOH)