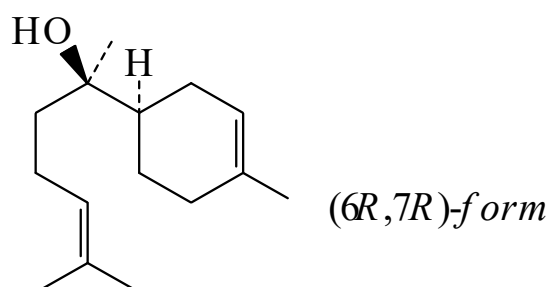




>>Entry Name: 2,10-Bisaboladien-7-ol

Synonym(s): 6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-5-hepten-2-ol, 8Cl



Related CAS Registry Numbers(s): 515-69-5

Molecular Formula: C<sub>15</sub>H<sub>26</sub>O

Molecular Weight: 222.37

Accurate Mass: 222.198365

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

Biological Use/Importance: Antiinflammatory, antiulcer, antiseptic antitubercular agent. Possesses bactericide and fungicide props.

Calculated Log P Data: Log P 4.66 (calc)

>>Variant: (6R,7R)-form

Synonym(s): (+)-α-Bisabolol. Bisabolol

CAS Registry Number: 23178-88-3

Molecular Formula: C<sub>15</sub>H<sub>26</sub>O

Molecular Weight: 222.37

Accurate Mass: 222.198365

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

Biological Source: Constit. of essential oil of *Populus balsamifera* and *Atalantia monophylla*

Physical Description: Oil

Boiling Point: Bp<sub>12</sub> 154-156°

Optical Rotation: [α]<sub>D</sub><sup>23</sup>+53.8 (c, 2.6 in CHCl<sub>3</sub>)

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) 14850 mg/kg

Fluka: 14462

Sigma: B5167

>>Derivative: 7-O-β-D-Fucopyranoside

CAS Registry Number: 84847-68-7

Molecular Formula: C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>

Molecular Weight: 368.512

Accurate Mass: 368.256275

Percentage Composition: C 68.45%; H 9.85%; O 21.71%

Biological Source: Constit. of *Carthamus lanatus*

Physical Description: Oil

Optical Rotation: [α]<sub>D</sub> -20.6 (c, 1 in CHCl<sub>3</sub>)

>>Variant: (6R,7S)-form

Synonym(s): 6-Epi-α-bisabolol

CAS Registry Number: 76738-75-5

Molecular Formula: C<sub>15</sub>H<sub>26</sub>O

Molecular Weight: 222.37

Accurate Mass: 222.198365

Percentage Composition: C 81.02%; H 11.78%; O 7.19%

Biological Source: Constit. of *Rosa rugosa*

Physical Description: Syrup

Optical Rotation: [α]<sub>D</sub><sup>23</sup>+67.4 (MeOH)