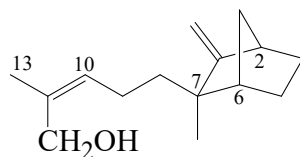




>>Entry Name: β -Santala-3(15),10-dien-12-ol



(2*R*,6*S*,7*R*,10*Z*)-form

Related CAS Registry Numbers(s): 130930-05-1 131726-06-2 131726-07-3

Molecular Formula: C₁₅H₂₄O

Molecular Weight: 220.354

Accurate Mass: 220.182715

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

>>Variant: (2*R*,6*S*,7*R*,10*Z*)-form

Synonym(s): β -Santalol

CAS Registry Number: 77-42-9

Molecular Formula: C₁₅H₂₄O

Molecular Weight: 220.354

Accurate Mass: 220.182715

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Constit. of sandalwood oil (*Santalum album*)

Use/Importance: Perfumery ingredient

Physical Description: Oil

Boiling Point: Bp₁₇ 177-178°

Optical Rotation: $[\alpha]_{\text{Hg}} -87.1$

>>Derivative: 12-Carboxylic acid

Synonym(s): β -Santala-3(15),10-dien-12-oic acid. β -Santallic acid

CAS Registry Number: 73590-17-7

Molecular Formula: C₁₅H₂₂O₂

Molecular Weight: 234.338

Accurate Mass: 234.16198

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

Biological Source: Constit. of *Santalum album* oil

Physical Description: Oil

>>Derivative: 13-Hydroxy

Synonym(s): β -Santala-3(15),10-diene-12,13-diol. β -Santaldiol

CAS Registry Number: 173615-77-5

Molecular Formula: C₁₅H₂₄O₂

Molecular Weight: 236.353

Accurate Mass: 236.17763

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Constit. of *Santalum insulare* var. *marchionense*

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{25} -66$ (c, 0.1 in CHCl₃)

Other Data: Abs. config. not detd. but opt. rotn. implies same abs. stereochem. as β -Santalol. Shown in the paper having the opposite abs. config.

>>Variant: (2*R*,6*S*,7*R*,10*E*)-form

Synonym(s): β -Santala-3(15), 10-dien-13-ol. *trans*- β -Santalol

CAS Registry Number: 37172-32-0

Molecular Formula: C₁₅H₂₄O

Molecular Weight: 220.354

Accurate Mass: 220.182715

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Biological Source: Constit. of *Santalum album*

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{D}}^{21} -113.7$ (c, 0.3 in CHCl₃) (synthetic)