



>>Entry Name: 2-Methyl-3-buten-2-ol

Synonym(s): Isoprenyl alcohol. 1,1-Dimethylallyl alcohol

CAS Registry Number: 115-18-4



Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Biological Source: Constit. of ylang-ylang and *Lavandula* oils and hops

Use/Importance: Intermediate in the manuf. of terpene alcohols for perfumery industry

Physical Description: Oil

Boiling Point: Bp 98-99°

Hazard & Toxicity: LD₅₀ (rat, ipr) 1315 mg/kg

Aldrich: W50390-8

Fluka: 66090

Sigma: M8263

>>Derivative: *p*-Nitrobenzoyl

Melting Point: Mp 115-115.5°

>>Derivative: *O*-β-D-Glucopyranoside

Synonym(s): 1,1-Dimethyl-2-propenyl glucoside. 1,1-Dimethylallyl glucoside. **Crenulatin**‡

CAS Registry Number: 63026-02-8

Molecular Formula: C₁₁H₂₀O₆

Molecular Weight: 248.275

Accurate Mass: 248.12599

Percentage Composition: C 53.22%; H 8.12%; O 38.67%

Biological Source: Constit. of *Artemisia santolinifolia*, *Ferula loscosii*, *Ferula sinaiaica* and *Rhodiola crenulata*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 135-136°

Optical Rotation: [α]_D −25 (c, 1 in Py)

>>Derivative: *O*-[β-D-Apiofuranosyl-(1→6)-β-D-glucopyranoside]

CAS Registry Number: 76873-98-8

Molecular Formula: C₁₆H₂₈O₁₀

Molecular Weight: 380.391

Accurate Mass: 380.16825

Percentage Composition: C 50.52%; H 7.42%; O 42.06%

Biological Source: Constit. of *Glehnia littoralis* and *Ligustrum japonicum*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²² −84 (c, 0.2 in MeOH)

References:

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