

Product Data Sheet

Product Name: Bornyl acetate

Cat. No.: GC33501

Chemical Properties

Cas. No. 76-49-3

SMILES CC1(C)[C@@]2(C)[C@H](OC(C)=O)C[C@]1([H])CC2

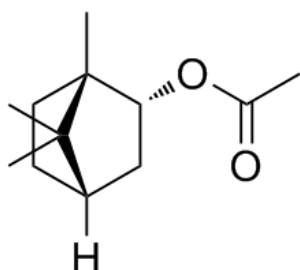
Formula $C_{12}H_{20}O_2$ M.Wt 196.29

Solubility DMSO : ≥ 83.33 mg/mL (424.52 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Relative Stereochemistry

Background

Bornyl acetate is a potent odorant, exhibiting one of the highest flavor dilution factor (FD factor).

Bornyl acetate is characterized as one of the most important odorants of fresh ginger juice, as it exhibits one of the highest FD factors. Bornyl acetate is also identified as playing very important sensory roles in the aroma of fresh Japanese ginger.

[1]. Pang X, et al. Identification of Ginger (*Zingiber officinale* Roscoe) Volatiles and Localization of

Caution: Product has not been fully validated for medical applications. For research use only.

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Aroma-Active Constituents by GC-Olfactometry. J Agric Food Chem. 2017 May 24;65(20):4140-4145.

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