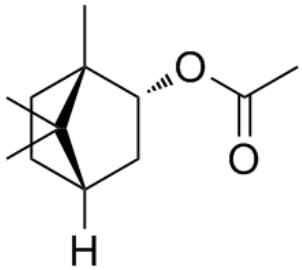
Product Data Sheet

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

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