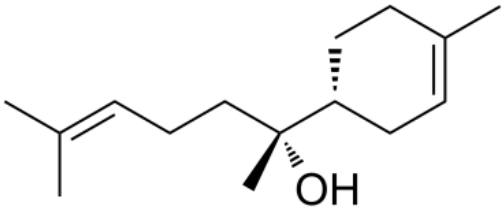
Product Data Sheet

Product Name: α-Bisabolol
Cat. No.: GC35305

Chemical Properties

Cas. No.	515-69-5		
SMILES	C/C(C)=C\CC[C@@](O)([C@@H]1CCC(C)=CC1)C		
Formula	$C_{15}H_{26}O$	M.Wt	222.37
Solubility	DMF: 10 mg/ml,DMSO: 10 mg/ml,Ethanol: 5 mg/ml	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			



Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

alpha-Bisabolol is a nontoxic sesquiterpene alcohol present in natural essential oil, with anticancer activity. alpha-Bisabolol exerts selective anticancer effect on A549 NSCLC cells (IC50=15 μM) via induction of cell cycle arrest, mitochondrial apoptosis and inhibition of PI3K/Akt signalling pathways. alpha-Bisabolol also strongly induces apoptosis in glioma cells[1][2].

[1]. Wu S, et al. Anticancer effects of α-Bisabolol in human non-small cell lung carcinoma cells are mediated via apoptosis induction, cell cycle arrest, inhibition of cell migration and invasion and upregulation of P13K/AKT signalling pathway. J BUON. 2018 Sep-Oct;23(5):1407-1412. [2]. Cavalieri E, et al. alpha-Bisabolol, a nontoxic natural compound, strongly induces apoptosis in glioma cells. Biochem Biophys Res Commun. 2004 Mar 12;315(3):589-94.

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