

Alloocimene

Chemical Properties

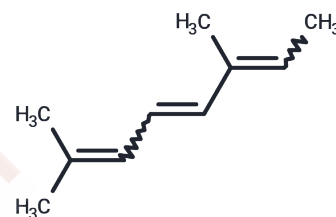
CAS No. : 673-84-7

Formula: C₁₀H₁₆

Molecular Weight: 136.24

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Alloocimene is a component of Blumea eriantha essential oil.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.340 mL	36.6999 mL	73.3999 mL
5 mM	1.468 mL	7.340 mL	14.680 mL
10 mM	0.734 mL	3.670 mL	7.340 mL
50 mM	0.1468 mL	0.734 mL	1.468 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Benelli G, Govindarajan M, Rajeswary M, Senthilmurugan S, Vijayan P, Alharbi NS, Kadaikunnan S, Khaled JM. Larvicidal activity of *Blumea eriantha* essential oil and its components against six mosquito species, including Zika virus vectors: the promising potential of (4E,6Z)-allo-ocimene, carvotanacetone and dodecyl acetate. *Parasitol Res.* 2017 Apr;116(4):1175-1188. doi: 10.1007/s00436-017-5395-0. Epub 2017 Feb 6. PubMed PMID: 28168560.
- Chamorro E, Ruiz P, Quijano J, Luna D, Restrepo L, Zuluaga S, Duque-Noreña M. Understanding the thermal [1s,5s] hydrogen shift isomerization of ocimene. *J Mol Model.* 2014 Aug;20(8):2390. doi: 10.1007/s00894-014-2390-6. Epub 2014 Aug 6. PubMed PMID: 25096812.
- Stolle A, Ondruschka B, Findeisen M. Mechanistic and kinetic insights into the thermally induced rearrangement of alpha-pinene. *J Org Chem.* 2008 Nov 7;73(21):8228-35. doi: 10.1021/jo8012995. Epub 2008 Sep 30. PubMed PMID: 18823144.
- Casado D, Gemeno C, Avilla J, Riba M. Diurnal variation of walnut tree volatiles and electrophysiological responses in *Cydia pomonella* (Lepidoptera: Tortricidae). *Pest Manag Sci.* 2008 Jul;64(7):736-47. doi: 10.1002/ps.1551. PubMed PMID: 18300208.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481