

Bisabolone oxide A

Chemical Properties

CAS No. : 22567-38-0

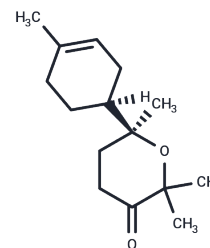
Formula: C₁₅H₂₄O₂

Molecular Weight: 236.35

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Bisabolone oxide A is a terpenoid isolated from <i>Matricaria chamomilla</i> L. It reduces neuronal excitability. Bisabolone oxide A inhibits α glucokinase and has been shown to inhibit α glucokinase in <i>Helicoverpa armigera</i> , <i>Aedes vittatus</i> , and <i>Anopheles subpictus</i> larvae and showed biotoxicity in <i>Helicoverpa armigera</i> , <i>Aedes vittatus</i> and <i>Anopheles subpictus</i> larvae experiments.
Targets(IC50)	Glucosidase, glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.231 mL	21.1551 mL	42.3101 mL
5 mM	0.8462 mL	4.231 mL	8.462 mL
10 mM	0.4231 mL	2.1155 mL	4.231 mL
50 mM	0.0846 mL	0.4231 mL	0.8462 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

Qian Xu, et al. Chemical composition and biological activities of an essential oil from the aerial parts of *Artemisia Gmelinii weber ex Stechm.* Nat Prod Res. 2021 Jan;35(2):346-349.

El Mihaoui A, et al. Chamomile (*Matricaria chamomilla* L.): A Review of Ethnomedicinal Use, Phytochemistry and Pharmacological Uses. Life (Basel). 2022 Mar 25;12(4):479.

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