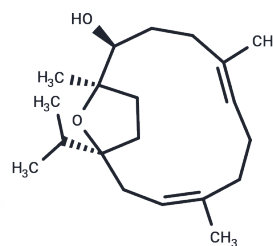


Incensole

Chemical Properties

CAS No. :	22419-74-5
Formula:	C ₂₀ H ₃₄ O ₂
Molecular Weight:	306.48
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	1. Incensole has a protective or stimulating effect on β -cells of the rat pancreas, it also can increase the insulin secretion, which evidenced by a significant increase both in body weight and in liver glycogen.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (32.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2629 mL	16.3143 mL	32.6286 mL
5 mM	0.6526 mL	3.2629 mL	6.5257 mL
10 mM	0.3263 mL	1.6314 mL	3.2629 mL
50 mM	0.0653 mL	0.3263 mL	0.6526 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

- Moussaieff, A., Gross, M., Nesher, E., Tikhonov, T., Yadid, G., & Pinhasov, A. (2012). Incensole acetate reduces depressive-like behavior and modulates hippocampal BDNF and CRF expression of submissive animals. *Journal Of Psychopharmacology*, 26(12), 1584-1593. doi: 10.1177/0269881112458729
- Al-Harrasi, A., Csuk, R., Khan, A., & Hussain, J. (2019). Distribution of the anti-inflammatory and anti-depressant compounds: Incensole and incensole acetate in genus *Boswellia*. *Phytochemistry*, 161, 28-40. doi: 10.12016/j.phytochem.2019.01.2007

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