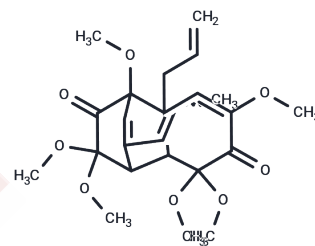


Isoasatone A

Chemical Properties

CAS No. :	67451-73-4
Formula:	C ₂₄ H ₃₂ O ₈
Molecular Weight:	448.51
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Isoasatone A, a natural product isolated from the plant [<i>Heterotropa takaoi</i> M.], exhibits anti-insect activity.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 60 mg/mL (133.78 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	2.2296 mL	11.148 mL	22.296 mL
5 mM	0.4459 mL	2.2296 mL	4.4592 mL
10 mM	0.223 mL	1.1148 mL	2.2296 mL
50 mM	0.0446 mL	0.223 mL	0.4459 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.

Reference

- Terada, Y., et al. ISOASATONE A AND ISOASATONE B, TWO NOVEL NEOLIGNANS, FROM HETEROTROPA TAKAOI M. Chemistry Letters. 1978.7(5), 553-554.
- Ling R, et al. Asatone and Isoasatone A Against *Spodoptera litura* Fab. by Acting on Cytochrome P450 Monooxygenases and Glutathione Transferases. Molecules. 2019 Oct 31;24(21).

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