
Product Data Sheet

Product Name: Isoasatone A

Cat. No.: GC39106

Chemical Properties

Cas. No. 67451-73-4

SMILES O=C1C(OC)(OC)[C@@]2([H])[C@@](C(OC)(OC)C3=O)([H])C(/C=C/C)=C[C@@]3(OC)C2(CC=C)C=C1OC

Formula	C ₂₄ H ₃₂ O ₈	M.Wt	448.51
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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 **Background**

Isoasatone A is a natural product isolated from the plant *Heterotropa takaoi* M., with anti-insect activity. Isoasatone A againsts *S. litura* by acting on cytochrome P450 monooxygenases and glutathione transferases[1][2].

[1]. Terada, Y., et al. ISOASATONE A AND ISOASATONE B, TWO NOVEL NEOLIGNANS, FROM HETEROTROPA TAKAOI M. *Chemistry Letters*. 1978.7(5), 553-554. [2]. 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).

Caution: Product has not been fully validated for medical applications. For research use only.

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