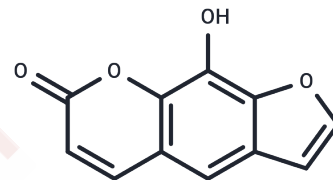


Xanthotoxol

Chemical Properties

CAS No. :	2009-24-7
Formula:	C ₁₁ H ₆ O ₄
Molecular Weight:	202.16
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Xanthotoxol (Psoralen) is a biologically active linear furocoumarin, shows strong pharmacological activities as anti-inflammatory, antioxidant, 5-HT antagonistic, and neuroprotective effects.
Targets(IC50)	Reactive Oxygen Species, 5-HT Receptor, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 60 mg/mL (296.79 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	4.9466 mL	24.7329 mL	49.4658 mL
5 mM	0.9893 mL	4.9466 mL	9.8932 mL
10 mM	0.4947 mL	2.4733 mL	4.9466 mL
50 mM	0.0989 mL	0.4947 mL	0.9893 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

He W , Chen W , Zhou Y , et al. Xanthotoxol Exerts Neuroprotective Effects Via Suppression of the Inflammatory Response in a Rat Model of Focal Cerebral Ischemia[J]. Cellular & Molecular Neurobiology, 2013, 33(5):715-722.
Zhu L, Sun S, Wu W, et al. Xanthotoxol alleviates secondary brain injury after intracerebral hemorrhage by inhibiting microglia-mediated neuroinflammation and oxidative stress. Neurochirurgie. 2023, 69(3): 101426.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481