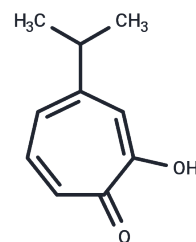


Hinokitiol

Chemical Properties

CAS No. :	499-44-5
Formula:	C ₁₀ H ₁₂ O ₂
Molecular Weight:	164.2
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Hinokitiol (4-Isopropyltropolone) can inhibit ultraviolet B-induced apoptosis in keratinocytes and strongly suggest that the inhibitory mechanism is due to the antioxidant activity of metallothionein induced by the agent. Also, Hinokitiol modulates estrogen receptor signaling and inhibits proliferation of human breast cancer cells.
Targets(IC50)	Estrogen/progestogen Receptor, Nrf2, DNA Methyltransferase, Virus Protease

Solubility Information

Solubility	DMSO: 45 mg/mL (274.06 mM), Sonication is recommended. Chloroform: Soluble, (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0901 mL	30.4507 mL	60.9013 mL
5 mM	1.218 mL	6.0901 mL	12.1803 mL
10 mM	0.609 mL	3.0451 mL	6.0901 mL
50 mM	0.1218 mL	0.609 mL	1.218 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

Ko J, et al. Biosci Biotechnol Biochem. 2015;79(6):1011-7.

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