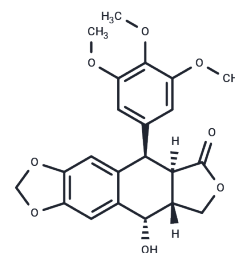


(-)-Epipodophyllotoxin

Chemical Properties

CAS No. :	4375-07-9
Formula:	C ₂₂ H ₂₂ O ₈
Molecular Weight:	414.41
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	(-)-Epipodophyllotoxin (2) is an antiproliferative agent against cancer cells with GI ₅₀ s of 0.36 and 0.24 μ M in HeLa cells and MCF-7 cells, respectively. (-)-Epipodophyllotoxin can inhibit mitotic spindle assembly in vitro.
Targets(IC ₅₀)	Apoptosis

Solubility Information

Solubility	DMSO: 55 mg/ml (132.72 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4131 mL	12.0653 mL	24.1307 mL
5 mM	0.4826 mL	2.4131 mL	4.8261 mL
10 mM	0.2413 mL	1.2065 mL	2.4131 mL
50 mM	0.0483 mL	0.2413 mL	0.4826 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

Magedov IV, et, al. Reengineered epipodophyllotoxin. Chem Commun (Camb). 2012 Oct 28; 48(84): 10416-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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