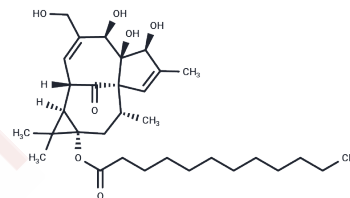


Dodecanoic acid ingenol ester

Chemical Properties

CAS No. :	54706-70-6
Formula:	C ₃₂ H ₅₀ O ₇
Molecular Weight:	546.745
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Dodecanoic acid ingenol ester, a natural compound, shows moderate cytotoxicity with IC ₅₀ values being 35.59 μ M (Caco-2), 24.04 μ M (MCF-7), and 22.24 μ M (MCF-7/ADM).
Targets(IC ₅₀)	Bcl-2 Family,Others,HIV Protease,Autophagy

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.829 mL	9.1449 mL	18.2899 mL
5 mM	0.3658 mL	1.829 mL	3.658 mL
10 mM	0.1829 mL	0.9145 mL	1.829 mL
50 mM	0.0366 mL	0.1829 mL	0.3658 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wu YQ, et al. Regio- and stereo-selective hydroxylations of ingenane diterpenoids by *Mortierella ramanniana* and *Gibberella fujikuroi*. *Chin J Nat Med.* 2016 Dec;14(12):939-945.

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