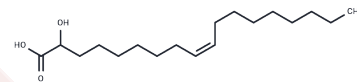


(Rac)-Idroxiioleic acid

Chemical Properties

CAS No. :	56472-29-8
Formula:	C18H34O3
Molecular Weight:	298.46
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	(Rac)-Idroxiioleic acid (2-Hydroxyoleic acid) is a fatty acid amide hydrolase inhibitor with anti-tumor properties that binds to the plasma membrane, altering lipid organization.
Targets(IC50)	Apoptosis
In vitro	Minerval (25-50 μ M; 72 hours) causes a marked and concentration-dependent increase in the proteolytic cleavage of PARP, a molecular marker of apoptosis. Minerval (25-75 μ M; 72 hours) impairs Jurkat cell growth in a time- and concentration-dependent manner (IC50: 40 μ M)[1].
In vivo	In nude mice infected with Jurkat cells, Minerval significantly inhibits tumour growth[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (167.53 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	3.3505 mL	16.7527 mL	33.5053 mL
5 mM	0.6701 mL	3.3505 mL	6.7011 mL
10 mM	0.3351 mL	1.6753 mL	3.3505 mL
50 mM	0.067 mL	0.3351 mL	0.6701 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

Llado V, et al. Minerval induces apoptosis in Jurkat and other cancer cells. J Cell Mol Med. 2010 Mar;14(3):659-70.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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