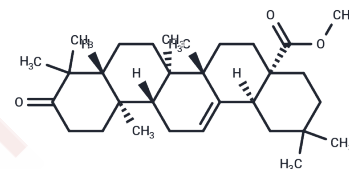


Methyl oleanonate

Chemical Properties

CAS No. :	1721-58-0
Formula:	C ₃₁ H ₄₈ O ₃
Molecular Weight:	468.71
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	3-Oxoolean-12-en-28-oic acid methyl ester is a triterpenoid PPAR γ agonist isolated from Pistacia with anticancer properties.
Targets(IC50)	PPAR

Solubility Information

Solubility	DMSO: 2 mg/mL (4.27 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1335 mL	10.6676 mL	21.3352 mL
5 mM	0.4267 mL	2.1335 mL	4.267 mL
10 mM	0.2134 mL	1.0668 mL	2.1335 mL
50 mM	0.0427 mL	0.2134 mL	0.4267 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

- Rasmus K Petersen, et al. Pharmacophore-driven identification of PPAR γ agonists from natural sources. J Comput Aided Mol Des. 2011 Feb;25(2):107-16.
- Barbara Bednarczyk-Cwynar, et al. Anticancer effect of A-ring or/and C-ring modified oleanolic acid derivatives on KB, MCF-7 and HeLa cell lines. Org Biomol Chem. 2012 Mar 21;10(11):2201-5

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