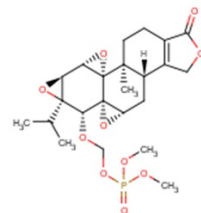


Minnelide

Chemical Properties

CAS No.:	1254702-87-8
Formula:	C ₂₁ H ₂₅ NaO ₁₀ P
Molecular Weight:	514.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Minnelide is a prodrug of triptolide, and shows potent antitumor activity in a number of tumor types.
Targets(IC ₅₀)	Others: None
In vivo	Minnelide prevents locoregional spread and leads to a decrease in average tumor weight in a xenograft model of pancreatic cancer with metastatic S2-013 cells[2]

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.944 mL	9.721 mL	19.441 mL
5 mM	0.389 mL	1.944 mL	3.888 mL
10 mM	0.194 mL	0.972 mL	1.944 mL
50 mM	0.039 mL	0.194 mL	0.389 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Noel P, et al. Triptolide and Its Derivatives as Cancer Therapies. Trends Pharmacol Sci. 2019 May;40(5):327-341.
2. Chugh R, et al. A preclinical evaluation of Minnelide as a therapeutic agent against pancreatic cancer. Sci Transl Med. 2012 Oct 17;4(156):156ra139.

Inhibitors · Natural Compounds · Compound Libraries

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