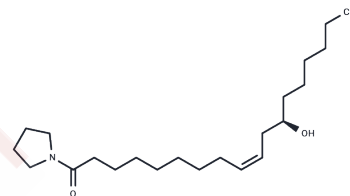


Pyrrolidine Ricinoleamide

Chemical Properties

CAS No. : 1246776-23-7
 Formula: C₂₂H₄₁NO₂
 Molecular Weight: 351.57
 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	Ricinoleic acid is a naturally occurring 12-hydroxy fatty acid. It constitutes about 90% of the fatty acids in castor oil. Pyrrolidine Ricinoleamide is a derivative of the amide of ricinoleic acid that shows potent antiproliferative activity against an array of cancer cell lines, including human glioma U251 cells.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol:PBS (pH 7.2) (1:3): 0.25 mg/mL (0.71 mM),Sonication is recommended. DMF: 30 mg/mL (85.33 mM),Sonication is recommended. Ethanol: 30 mg/mL (85.33 mM),Sonication is recommended. DMSO: 25 mg/mL (71.11 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	2.8444 mL	14.2219 mL	28.4438 mL
5 mM	0.5689 mL	2.8444 mL	5.6888 mL
10 mM	0.2844 mL	1.4222 mL	2.8444 mL
50 mM	0.0569 mL	0.2844 mL	0.5689 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481