

DC-Y13-27

Chemical Properties

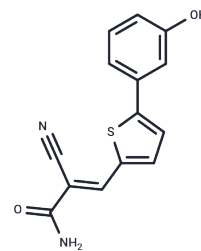
CAS No. :

Formula: C₁₄H₁₀N₂O₂S

Molecular Weight: 270.31

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	Dc-y13-27, a derivative of DC-Y13, is a potent YTHDF2 inhibitor (KD: 37.9 μ M). DC-Y13-27 has antitumor activity that enhances the response of radiotherapy and immunotherapy to tumors.
Targets(IC50)	MMP,Others,FOXO,Pyroptosis,Interleukin

Solubility Information

Solubility	DMSO: 99 mg/mL (366.25 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	3.6995 mL	18.4973 mL	36.9946 mL
5 mM	0.7399 mL	3.6995 mL	7.3989 mL
10 mM	0.3699 mL	1.8497 mL	3.6995 mL
50 mM	0.074 mL	0.3699 mL	0.7399 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

Wang L, et al. YTHDF2 inhibition potentiates radiotherapy antitumor efficacy. Cancer Cell. 2023 May 15:S1535-6108 (23)00163-0.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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