

CUDC-427

Chemical Properties

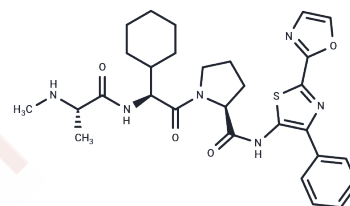
CAS No. : 1446182-94-0

Formula: C₂₉H₃₆N₆O₄S

Molecular Weight: 564.7

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	CUDC-427 (GDC-0917) is an orally bioactive and pan antagonist of inhibitor of apoptosis proteins(IAPs). CUDC-427 can be used in research on cancers.
Targets(IC50)	IAP
In vitro	In PBMCs, GDC-0917 (0.1 - 10000 nM) induces the reduction of cIAP1 levels in a concentration-dependent manner. GDC-0917(0.1 μM) shows more than 80% inhibition [1].
In vivo	In the MDA-MB-231-X1.1 Breast Cancer Xenograft, GDC-0917 (0.08-16.3 mg/kg) dose-dependently exhibits antitumor activity with a <11% decrease of body weight. The clearance values are 12.0, 27.0, 15.3 and 67.6 mL/min/kg for mouse, rat, dog and monkey[1].

Solubility Information

Solubility	DMSO: 45.0 mg/mL (79.7 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7709 mL	8.8543 mL	17.7085 mL
5 mM	0.3542 mL	1.7709 mL	3.5417 mL
10 mM	0.1771 mL	0.8854 mL	1.7709 mL
50 mM	0.0354 mL	0.1771 mL	0.3542 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.

Reference

Wong H, et al. Learning and confirming with preclinical studies: modeling and simulation in the discovery of GDC-0917, an inhibitor of apoptosis proteins antagonist. Drug Metab Dispos. 2013 Dec;41(12):2104-13.

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: 36 Washington Street, Wellesley Hills, MA 02481