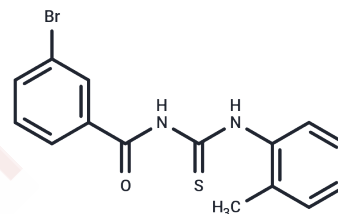


TFCP2L1-IN-1

Chemical Properties

CAS No. :	364621-46-5
Formula:	C ₁₅ H ₁₃ BrN ₂ O ₅
Molecular Weight:	349.25
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	TFCP2L1-IN-1 is a TFCP2L1 transcription factor inhibitor that regulates cell proliferation and pluripotency. TFCP2L1 (transcription factor CP2-like 1) plays a key role in maintaining pluripotency in mouse and human embryonic stem cells (ESCs). TFCP2L1-IN-1 is capable of promoting the anti-tumor effects of Sorafenib by inhibiting the STAT3/NANOG pathway.
Targets(IC50)	Apoptosis,Others

Solubility Information

Solubility	DMSO: 150 mg/mL (429.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8633 mL	14.3164 mL	28.6328 mL
5 mM	0.5727 mL	2.8633 mL	5.7266 mL
10 mM	0.2863 mL	1.4316 mL	2.8633 mL
50 mM	0.0573 mL	0.2863 mL	0.5727 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

Qiu D, et al. TFCP2L1 drives stemness and enhances their resistance to Sorafenib treatment by modulating the NANOG/STAT3 pathway in hepatocellular carcinoma. *Oncogenesis*. 2024 Sep 12;13(1):33.

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