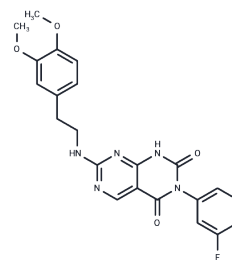


STL127705

Chemical Properties

CAS No. : 1326852-06-5
 Formula: C₂₂H₂₀FN₅O₄
 Molecular Weight: 437.42
 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	STL127705 (Compound L) is a potent inhibitor of the Ku 70/80 heterodimer protein, disrupting Ku70/80-DNA interaction with an IC ₅₀ of 3.5 μM, and inhibiting Ku-dependent DNA-PKCS kinase activation with an IC ₅₀ of 2.5 μM.
Targets(IC ₅₀)	Apoptosis,DNA-PK

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble) DMSO: 11.54 mg/mL (26.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2861 mL	11.4307 mL	22.8613 mL
5 mM	0.4572 mL	2.2861 mL	4.5723 mL
10 mM	0.2286 mL	1.1431 mL	2.2861 mL
50 mM	0.0457 mL	0.2286 mL	0.4572 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

Weterings E, et al. A novel small molecule inhibitor of the DNA repair protein Ku70/80. DNA Repair (Amst). 2016 Jul;43:98-106.

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