

KBU2046

Chemical Properties

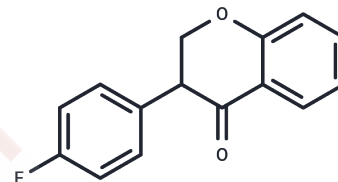
CAS No. : 1143863-69-7

Formula: C₁₅H₁₁FO₂

Molecular Weight: 242.24

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	KBU2046 is an orally administered compound that inhibits cell motility and invasion, effectively suppressing cancer metastasis and extending lifespan. This compound uniquely targets and binds to chaperone heterocomplexes, selectively modifying the interaction of client proteins involved in motility regulation, while avoiding the characteristics typical of classical HSP90 inhibitors.
Targets(IC50)	Others,HSP

Solubility Information

Solubility	DMSO: 45 mg/mL (185.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1281 mL	20.6407 mL	41.2814 mL
5 mM	0.8256 mL	4.1281 mL	8.2563 mL
10 mM	0.4128 mL	2.0641 mL	4.1281 mL
50 mM	0.0826 mL	0.4128 mL	0.8256 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

Xu L, et al. Precision therapeutic targeting of human cancer cell motility. Nat Commun. 2018 Jun 22;9(1):2454.

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