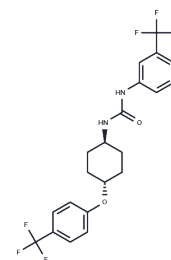


EIF2 α activator 2

Chemical Properties

CAS No. :	1501618-04-7
Formula:	C ₂₁ H ₂₀ F ₆ N ₂ O ₂
Molecular Weight:	446.39
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	EIF2 α activator 2 (Compound 1) is an activator of eIF2 α phosphorylation, exhibiting anti-proliferative activity at the μ M level in SRB, K562, and PBMC cells, suitable for cancer research.
Targets(IC50)	PERK

Solubility Information

Solubility	DMSO: 200 mg/mL (448.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2402 mL	11.201 mL	22.4019 mL
5 mM	0.448 mL	2.2402 mL	4.4804 mL
10 mM	0.224 mL	1.1201 mL	2.2402 mL
50 mM	0.0448 mL	0.224 mL	0.448 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

Jinsook Kwak, et al. A bioisosteric approach to the discovery of novel N-aryl-N'-[4-(aryloxy)cyclohexyl]squaramide-based activators of eukaryotic initiation factor 2 alpha (eIF2 α) phosphorylation. Eur J Med Chem. 2022 May 29;239:114501.

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