

HR-19011

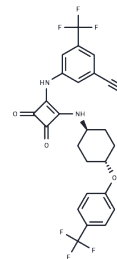
Chemical Properties

CAS No. : 2851820-52-3

Formula: C₂₅H₁₉F₆N₃O₃

Molecular Weight: 523.43

Storage: Keep away from direct sunlight, Keep away from moisture, Store under nitrogen
 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	HR-19011 (Compound 40) is an inducer of eIF2 α phosphorylation that increases expression levels of downstream proteins ATF and CHOP, exhibiting micromolar-level antiproliferative activity against K562 and PBMC cells.
Targets(IC50)	PERK

Solubility Information

Solubility	DMSO: 20 mg/mL (38.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9105 mL	9.5524 mL	19.1048 mL
5 mM	0.3821 mL	1.9105 mL	3.821 mL
10 mM	0.191 mL	0.9552 mL	1.9105 mL
50 mM	0.0382 mL	0.191 mL	0.3821 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 α (eIF2 α) phosphorylation. Eur J Med Chem. 2022 May 29;239:114501.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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