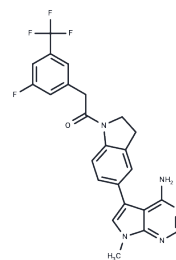


PERK-IN-4

Chemical Properties

CAS No. :	1337531-89-1
Formula:	C ₂₄ H ₁₉ F ₄ N ₅ O
Molecular Weight:	469.43
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	PERK-IN-4 is a potent and selective PERK inhibitor with an IC ₅₀ value of 0.3 nM, used in the study of cancer and neurological disorders.
Targets(IC ₅₀)	PERK

Solubility Information

Solubility	DMSO: 1 mg/mL (2.13 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	2.1302 mL	10.6512 mL	21.3024 mL
5 mM	0.426 mL	2.1302 mL	4.2605 mL
10 mM	0.213 mL	1.0651 mL	2.1302 mL
50 mM	0.0426 mL	0.213 mL	0.426 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

Axten JM, et al. Discovery of 7-methyl-5-(1-([3-(trifluoromethyl)phenyl]acetyl)-2,3-dihydro-1H-indol-5-yl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine (GSK2606414), a potent and selective first-in-class inhibitor of protein kinase R (PKR)-like endoplasmic reticulum kinase (PERK). J Med Chem. 2012;55(16):7193-7207.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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