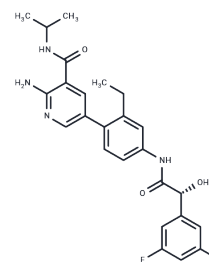


PERK-IN-5

Chemical Properties

CAS No. :	2616821-91-9
Formula:	C ₂₅ H ₂₆ F ₂ N ₄ O ₃
Molecular Weight:	468.5
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-5 is a highly selective, potent, orally active inhibitor of protein kinase R-like endoplasmic reticulum (ER) kinase (PERK), displaying inhibition with IC ₅₀ values of 2 nM for PERK and 9 nM for p-eIF2 α . PERK-IN-5 significantly inhibited tumor growth in the 786-O renal cell carcinoma xenograft tumor model.
Targets(IC ₅₀)	Others,PERK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1345 mL	10.6724 mL	21.3447 mL
5 mM	0.4269 mL	2.1345 mL	4.2689 mL
10 mM	0.2134 mL	1.0672 mL	2.1345 mL
50 mM	0.0427 mL	0.2134 mL	0.4269 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.

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