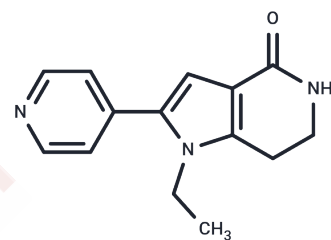


PKN1/2-IN-1

Chemical Properties

CAS No. :	942425-34-5
Formula:	C ₁₄ H ₁₅ N ₃ O
Molecular Weight:	241.29
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PKN1/2-IN-1 is a potent and selective PKN2 inhibitor with 14-fold higher selectivity for PKN2 than PKN1, membrane permeability and anticancer potential. Protein kinase N proteins (PKN1, PKN2 and PKN3) are effectors of Rho GTPases and are critical for survival in several tumor cell lines including prostate and breast cancer.
Targets(IC50)	Others,PKC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1444 mL	20.722 mL	41.4439 mL
5 mM	0.8289 mL	4.1444 mL	8.2888 mL
10 mM	0.4144 mL	2.0722 mL	4.1444 mL
50 mM	0.0829 mL	0.4144 mL	0.8289 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

Scott F, et al. Development of dihydropyrrolopyridinone-based PKN2/PRK2 chemical tools to enable drug discovery. *Bioorg Med Chem Lett.* 2022;60:128588.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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