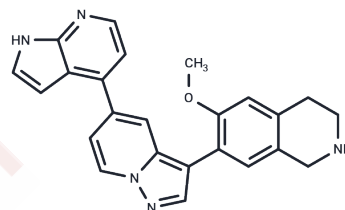


## PKCiota-IN-2

## Chemical Properties

CAS No. :	2230055-52-2
Formula:	C <sub>24</sub> H <sub>21</sub> N <sub>5</sub> O
Molecular Weight:	395.46
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	PKCiota-IN-2 (PKCiota-IN-49) is a selective and potent PKCiota (PKC-ι) inhibitor with an IC <sub>50</sub> of 2.8 nM. PKCiota-IN-2 also inhibits PKC-α and PKC-ε with IC <sub>50</sub> s of 71 nM and 350 nM, respectively
Targets(IC <sub>50</sub> )	PKC

## Solubility Information

Solubility	DMSO: 60 mg/mL (151.72 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	2.5287 mL	12.6435 mL	25.287 mL
5 mM	0.5057 mL	2.5287 mL	5.0574 mL
10 mM	0.2529 mL	1.2644 mL	2.5287 mL
50 mM	0.0506 mL	0.2529 mL	0.5057 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

Jacek Kwiatkowski, et al. Fragment-Based Drug Discovery of Potent Protein Kinase C Iota Inhibitors. J Med Chem. 2018 May 24;61(10):4386-4396.

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