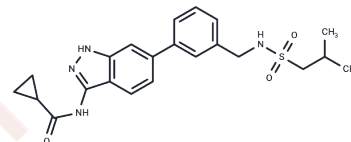


## CDKL2-IN-1

## Chemical Properties

CAS No. :	2471972-15-1
Formula:	C22H26N4O3S
Molecular Weight:	426.53
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	CDK-IN-14 (Compound 9) serves as a potent and selective inhibitor of CDKL2 (Cyclin-dependent kinase-like 2), exhibiting an IC50 of 460 nM. Linked to biological processes such as tumor formation, development, and viral infections, CDKL2 is a substantial focus in the field. CDK-IN-14 holds promise as a powerful tool for the exploration of CDKL2s biological functions, potentially advancing research in areas like cancer and infectious diseases.
In vitro	CDK-IN-14 (0-4 μM, 1 hour) disrupts downstream signaling in primary rat neurons mediated by CDKL2 by inhibiting CDKL2, thereby demonstrating inhibitory activity towards CDKL2.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3445 mL	11.7225 mL	23.445 mL
5 mM	0.4689 mL	2.3445 mL	4.689 mL
10 mM	0.2345 mL	1.1723 mL	2.3445 mL
50 mM	0.0469 mL	0.2345 mL	0.4689 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

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