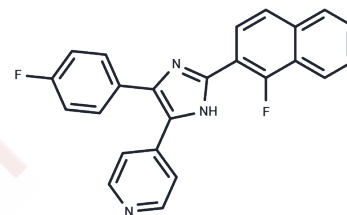


## CK1-IN-1

## Chemical Properties

CAS No. :	1784751-20-7
Formula:	C <sub>24</sub> H <sub>15</sub> F <sub>2</sub> N <sub>3</sub>
Molecular Weight:	383.39
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	CK1-IN-1 (PUN51207) is a casein kinase 1 (CK1) inhibitor. CK1-IN-1 has IC <sub>50</sub> s of 15 nM, 16 nM, 73 nM for CK1δ, and CK1ε, p38 MAPK, respectively.
Targets(IC <sub>50</sub> )	Casein Kinase,p38 MAPK

## Solubility Information

Solubility	DMSO: 62.5 mg/mL (163.02 mM),Sonication is recommended. H <sub>2</sub> O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6083 mL	13.0416 mL	26.0831 mL
5 mM	0.5217 mL	2.6083 mL	5.2166 mL
10 mM	0.2608 mL	1.3042 mL	2.6083 mL
50 mM	0.0522 mL	0.2608 mL	0.5217 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

Filip LACO,et al. 2,4,5-tri-substituted azole-based casein kinase 1 inhibitors as inducers for cardiomyogenesis. WO2015119579A1.

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