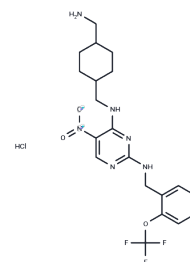


## PKC-theta inhibitor hcl

## Chemical Properties

CAS No. :	2253640-49-0
Formula:	C <sub>20</sub> H <sub>26</sub> ClF <sub>3</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	490.91
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	PKC-theta inhibitor hcl is a selective PKC- $\theta$ inhibitor (IC <sub>50</sub> : 12 nM).
Targets (IC <sub>50</sub> )	PKC

## Solubility Information

Solubility	DMSO: 55 mg/mL (112.04 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	2.037 mL	10.1852 mL	20.3703 mL
5 mM	0.4074 mL	2.037 mL	4.0741 mL
10 mM	0.2037 mL	1.0185 mL	2.037 mL
50 mM	0.0407 mL	0.2037 mL	0.4074 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

Cywin C L , Dahmann G , Iii A S P , et al. Discovery of potent and selective PKC- $\theta$  inhibitors[J]. Bioorganic & Medicinal Chemistry Letters, 2007, 17(1):225-230.

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