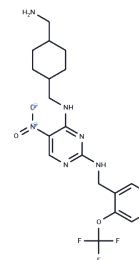


## PKC-theta inhibitor

## Chemical Properties

CAS No. :	736048-65-0
Formula:	C <sub>20</sub> H <sub>25</sub> F <sub>3</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	454.45
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	PKC-theta inhibitor is PKC- $\theta$ inhibitor, with an IC <sub>50</sub> of 12 nM.
Targets(IC <sub>50</sub> )	PKC

## Solubility Information

Solubility	DMSO: 62.5 mg/mL (137.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.4 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2005 mL	11.0023 mL	22.0046 mL
5 mM	0.4401 mL	2.2005 mL	4.4009 mL
10 mM	0.220 mL	1.1002 mL	2.2005 mL
50 mM	0.044 mL	0.220 mL	0.4401 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 CL, et al. Discovery of potent and selective PKC-theta inhibitors. Bioorg Med Chem Lett. 2007 Jan 1;17(1): 225-30.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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