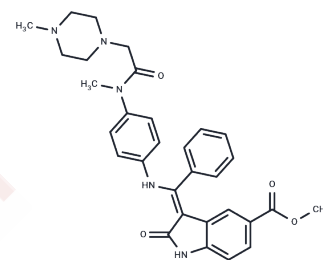


## MELK-IN-1

## Chemical Properties

CAS No. :	2095596-44-2
Formula:	C <sub>31</sub> H <sub>33</sub> N <sub>5</sub> O <sub>4</sub>
Molecular Weight:	539.62
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	MELK-IN-1 (MELK inhibitor 17) is a potent inhibitor of maternal embryonic leucine zipper kinase (MELK),(IC <sub>50</sub> :3nm;Ki:0.39 nM).
Targets(IC <sub>50</sub> )	MELK

## Solubility Information

Solubility	DMSO: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8532 mL	9.2658 mL	18.5316 mL
5 mM	0.3706 mL	1.8532 mL	3.7063 mL
10 mM	0.1853 mL	0.9266 mL	1.8532 mL
50 mM	0.0371 mL	0.1853 mL	0.3706 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

Edupuganti R, et al. Discovery of a potent inhibitor of MELK that inhibits expression of the anti-apoptotic protein Mcl-1 and TNBC cell growth. Bioorg Med Chem. 2017 May 1;25(9):2609-2616.

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