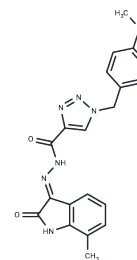


## MARK4 inhibitor 1

## Chemical Properties

CAS No. :	2271081-58-2
Formula:	C <sub>20</sub> H <sub>18</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	390.4
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	MARK4 inhibitor 1 inhibits cancer cell proliferation, metastasis and induces apoptosis. MARK4 inhibitor 1 is a potent microtubule affinity-regulating kinase 4 (MARK4) inhibitor, with an IC <sub>50</sub> of 1.54 μM.
Targets(IC <sub>50</sub> )	Apoptosis, AMPK

## Solubility Information

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

	1mg	5mg	10mg
1 mM	2.5615 mL	12.8074 mL	25.6148 mL
5 mM	0.5123 mL	2.5615 mL	5.123 mL
10 mM	0.2561 mL	1.2807 mL	2.5615 mL
50 mM	0.0512 mL	0.2561 mL	0.5123 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

Aneja B, et al. Design and development of Isatin-triazole hydrazones as potential inhibitors of microtubule affinity-regulating kinase 4 for the therapeutic management of cell proliferation and metastasis. Eur J Med Chem. 2019 Feb 1;163:840-852.

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481