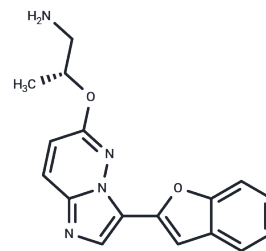


## MNK1/2-IN-5

## Chemical Properties

CAS No. :	1426928-20-2
Formula:	C <sub>17</sub> H <sub>16</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	308.33
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	MNK1/2-IN-5 is a potent and selective MNK1/2 inhibitor with anticancer activity and can be used to study solid tumors and hematological malignancies.
Targets(IC50)	MNK

## Solubility Information

Solubility	DMSO: 5 mg/mL (16.22 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	3.2433 mL	16.2164 mL	32.4328 mL
5 mM	0.6487 mL	3.2433 mL	6.4866 mL
10 mM	0.3243 mL	1.6216 mL	3.2433 mL
50 mM	0.0649 mL	0.3243 mL	0.6487 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

Xu W, et al. Update on the Development of MNK Inhibitors as Therapeutic Agents. J Med Chem. 2022 Jan 27;65(2): 983-1007.

**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