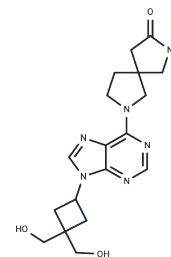


## YTH-IN-1

## Chemical Properties

CAS No. :	2189366-92-3
Formula:	C <sub>18</sub> H <sub>24</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	372.42
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	YTH-IN-1 is an inhibitor of the five YTH structural domains in the human YTHDF1, YTHDF2, YTHDF3, YTHDC1, and YTHDC2 proteins. The YTH family of proteins is an N <sup>6</sup> -methyladenosine (m <sup>6</sup> A) reader that plays an important regulatory role in gene expression.
Targets(IC50)	Others, Epigenetic Reader Domain

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6851 mL	13.4257 mL	26.8514 mL
5 mM	0.537 mL	2.6851 mL	5.3703 mL
10 mM	0.2685 mL	1.3426 mL	2.6851 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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

Wang CH, et AL. Discovery of a new inhibitor for YTH domain-containing m<sup>6</sup>A RNA readers. RSC Chem Biol. 2024;5 (9):914-923.

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