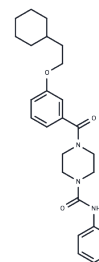


TM2 TEAD inhibitor

Chemical Properties

CAS No. :	1008768-41-9
Formula:	C ₂₆ H ₃₃ N ₃ O ₃
Molecular Weight:	435.57
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	TM2 TEAD inhibitor is an effective and reversible inhibitor of TEA domain transcription factors, exhibiting IC ₅₀ values of 38 nM and 156 nM for TEAD4 auto-palmitoylation and TEAD2 palmitoylation, respectively. TM2 TEAD inhibitor blocks TEAD-YAP binding and suppresses its transcriptional activity, exhibiting significant antiproliferative effects in YAP-dependent cancer cells. It demonstrates potent efficacy both as a monotherapy and in combination with MEK inhibitors. Furthermore, TM2 TEAD inhibitor strongly inhibits YAP-dependent liver organoid growth in vitro, supporting its potential application as an anticancer therapeutic strategy.
Targets(IC50)	YAP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2958 mL	11.4792 mL	22.9584 mL
5 mM	0.4592 mL	2.2958 mL	4.5917 mL
10 mM	0.2296 mL	1.1479 mL	2.2958 mL
50 mM	0.0459 mL	0.2296 mL	0.4592 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

Hu L, et al. Discovery of a new class of reversible TEA domain transcription factor inhibitors with a novel binding mode. *Elife*. 2022 Nov 18;11:e80210.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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