

Product Name: TM2 TEAD inhibitor

Catalog No.: 7917

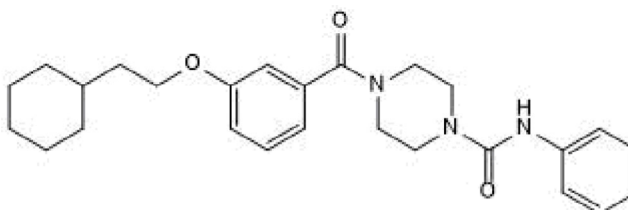
Batch No.: 1

CAS Number: 1008768-41-9

IUPAC Name: 4-[3-(2-Cyclohexylethoxy)benzoyl]-N-phenyl-1-piperazinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₆H₃₃N₃O₃
Batch Molecular Weight: 435.57
Physical Appearance: White solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.7% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	71.7	7.64	9.65
Found	71.66	7.68	9.68

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

TM2 TEAD inhibitor is a potent and reversible TEA domain transcription factor inhibitor (IC₅₀ = 38 nM and 156 nM for TEAD4 auto-palmitoylation and TEAD2 palmitoylation, respectively). It inhibits TEAD-YAP association and transcriptional activity. TM2 TEAD inhibitor exhibits strong antiproliferation effects as a single agent or in combination with a MEK inhibitor in YAP-dependent cancer cells. Also inhibits YAP-dependent liver organoid growth ex vivo.

Physical and Chemical Properties:

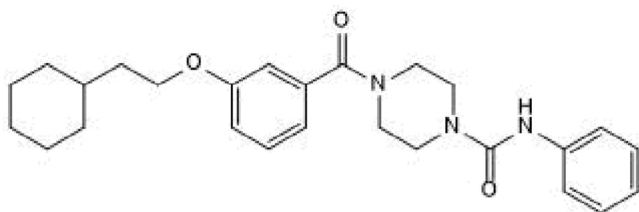
Batch Molecular Formula: C₂₆H₃₃N₃O₃

Batch Molecular Weight: 435.57

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Hu *et al* (2022) Discovery of a new class of reversible TEA domain transcription factor inhibitors with a novel binding mode. *eLife* **11** e80210. PMID: 36398861.

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