

TMP-778

Chemical Properties

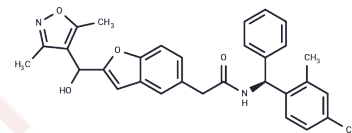
CAS No. : 1422171-08-1

Formula: C₃₁H₃₀N₂O₄

Molecular Weight: 494.58

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 | TMP-778 is a selective inverse agonist of ROR γ t. |
| Targets(IC ₅₀) | ROR |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 55 mg/mL (111.21 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.0219 mL | 10.1096 mL | 20.2192 mL |
| 5 mM | 0.4044 mL | 2.0219 mL | 4.0438 mL |
| 10 mM | 0.2022 mL | 1.011 mL | 2.0219 mL |
| 50 mM | 0.0404 mL | 0.2022 mL | 0.4044 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

Jill Skepner, et al. Pharmacologic inhibition of ROR γ t regulates Th17 signature gene expression and suppresses cutaneous inflammation in vivo. *J Immunol.* 2014 Mar 15;192(6):2564-75.

Sheng Xiao, et al. Small-molecule ROR γ t antagonists inhibit T helper 17 cell transcriptional network by divergent mechanisms. *Immunity.* 2014 Apr 17;40(4):477-89.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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