

TMP195

Chemical Properties

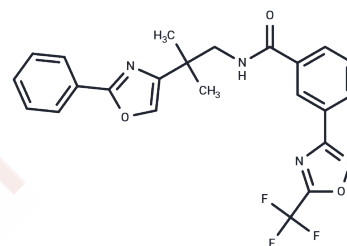
CAS No. : 1314891-22-9

Formula: C₂₃H₁₉F₃N₄O₃

Molecular Weight: 456.42

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| | |
|----------------------------|--|
| Description | TMP195 (TFMO 2) is a selective class IIa histone deacetylase (HDAC) inhibitor. |
| Targets(IC ₅₀) | HDAC |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 82 mg/mL (179.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.191 mL | 10.9548 mL | 21.9096 mL |
| 5 mM | 0.4382 mL | 2.191 mL | 4.3819 mL |
| 10 mM | 0.2191 mL | 1.0955 mL | 2.191 mL |
| 50 mM | 0.0438 mL | 0.2191 mL | 0.4382 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.

Reference

Lobera M., et al. Selective class IIa histone deacetylase inhibition via a nonchelating zinc-binding group. *Nat Chem Biol.* 2013 May;9(5):319-25.

Yue Y, Li F, Li Y, et al. Biomimetic Nanoparticles Carrying a Repolarization Agent of Tumor-Associated Macrophages for Remodeling of the Inflammatory Microenvironment Following Photothermal Therapy. *ACS nano.* 2021, 15(9): 15166-15179.

Dang Z, Li H, Xue S, et al. Histone deacetylase 9-mediated phenotypic transformation of vascular smooth muscle cells is a potential target for treating aortic aneurysm/dissection. *Biomedicine & Pharmacotherapy.* 2024, 173: 116396.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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