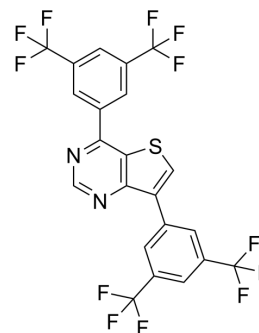


## h-NTPDase-IN-4

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-155828   |       |          |
| <b>CAS No.:</b>           | 2939933-09-0  |       |          |
| <b>Molecular Formula:</b> | C <sub>22</sub> H <sub>8</sub> F <sub>12</sub> N <sub>2</sub> S |       |          |
| <b>Molecular Weight:</b>  | 560.36  |       |          |
| <b>Target:</b>            | Phosphatase   |       |          |
| <b>Pathway:</b>           | Metabolic Enzyme/Protease                                       |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent  | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

DMF : 100 mg/mL (178.46 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |           |            |
|---------------------------|---------|-----------|-----------|------------|
|                           |         | 1 mg      | 5 mg      | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 1.7846 mL | 8.9228 mL | 17.8457 mL |
|                           | 5 mM    | 0.3569 mL | 1.7846 mL | 3.5691 mL  |
|                           | 10 mM   | 0.1785 mL | 0.8923 mL | 1.7846 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

h-NTPDase-IN-4 (compound 4c) is a pan-inhibitor of NTPDase with IC<sub>50</sub>s of 3.58 μM (h-NTPDase1), 10.21 μM (h-NTPDase2), 0.13 μM (h-NTPDase3), 13.57 μM (h-NTPDase8).

#### IC<sub>50</sub> & Target

IC<sub>50</sub>: 3.58 μM (h-NTPDase1), 10.21 μM (h-NTPDase2), 0.13 μM (h-NTPDase3), 13.57 μM (h-NTPDase8)

### REFERENCES

[1]. Zaman G, Ullah S, Uzair M, et al. Synthesis of Thieno [3, 2-d] pyrimidine Derivatives through Sequential SNAr and Suzuki Reactions as Selective h-NTPDases Inhibitors[J]. ChemMedChem, 2023: e202300165.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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