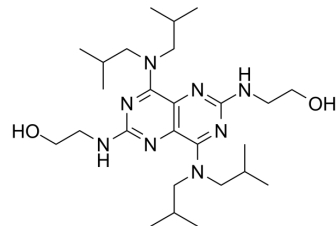


## hENT4-IN-1

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-110165   |       |          |
| <b>CAS No.:</b>           | 949467-71-4   |       |          |
| <b>Molecular Formula:</b> | C <sub>26</sub> H <sub>48</sub> N <sub>8</sub> O <sub>2</sub> |       |          |
| <b>Molecular Weight:</b>  | 504.71  |       |          |
| <b>Target:</b>            | Monoamine Transporter   |       |          |
| <b>Pathway:</b>           | Membrane Transporter/Ion Channel                              |       |          |
| <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

DMSO : ≥ 125 mg/mL (247.67 mM)  
 \* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent<br>Concentration | Mass      |           |            |
|---------------------------|--------------------------|-----------|-----------|------------|
|                           |                          | 1 mg      | 5 mg      | 10 mg      |
|                           | 1 mM                     | 1.9813 mL | 9.9067 mL | 19.8134 mL |
|                           | 5 mM                     | 0.3963 mL | 1.9813 mL | 3.9627 mL  |
|                           | 10 mM                    | 0.1981 mL | 0.9907 mL | 1.9813 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

hENT4-IN-1 is a potent and selective human ENT4 (equilibrative nucleoside transporter 4) inhibitor with an IC<sub>50</sub> of 74.4 nM<sup>[1]</sup>.

### REFERENCES

[1]. Wang C, et al. Dipyridamole analogs as pharmacological inhibitors of equilibrative nucleoside transporters. Identification of novel potent and selective inhibitors of the adenosine transporter function of human equilibrative nucleoside transporter 4 (hENT

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

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