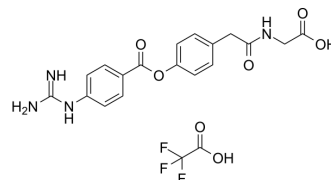


## Human enteropeptidase-IN-2

|                           |   |
|---------------------------|---|
| <b>Cat. No.:</b>          | HY-147931   |
| <b>Molecular Formula:</b> | C <sub>20</sub> H <sub>19</sub> F <sub>3</sub> N <sub>4</sub> O <sub>7</sub>              |
| <b>Molecular Weight:</b>  | 484.38  |
| <b>Target:</b>            | Others  |
| <b>Pathway:</b>           | Others  |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                                     |   |
|-------------------------------------|---|
| <b>Description</b>                  | Human enteropeptidase-IN-2 (compound 1c) is a highly potent enteropeptidase inhibitor. Human enteropeptidase-IN-2 can be used for anti-obesity research <sup>[1]</sup> .  |
| <b>IC<sub>50</sub> &amp; Target</b> | IC <sub>50</sub> (initial): 540 nM (enteropeptidase) <sup>[1]</sup><br>IC <sub>50</sub> (app): 30 nM (enteropeptidase) <sup>[1]</sup>   |
| <b>In Vitro</b>                     | Human enteropeptidase-IN-2 (compound 1c) has inhibitory activity against enteropeptidase with IC <sub>50</sub> (initial)* of 540 nM and IC <sub>50</sub> (app)** of 30 nM <sup>[1]</sup> .<br>(*IC <sub>50</sub> (initial) refers to the inhibitory activity of human enteropeptidase after 6 min of incubation with the enzyme, substrate, and compound.<br>**IC <sub>50</sub> (app) refers to the apparent IC <sub>50</sub> value after 120 min of incubation with the enzyme, substrate, and compound.)<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

[1]. Ikeda Z, et al. Design, Synthesis, and Biological Evaluation of a Novel Series of 4-Guanidinobenzoate Derivatives as Enteropeptidase Inhibitors with Low Systemic Exposure for the Treatment of Obesity. J Med Chem. 2022 Jun 23;65(12):8456-8477.

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

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