

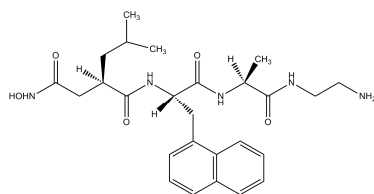
## TAPI-1

**ALTERNATE NAME:** N-(R)-(2-(Hydroxyaminocarbonyl)methyl)-4-methylpentanoyl-L-naphthylalanyl-L-alanine 2-aminoethyl amide; TNF protease inhibitor-1; IC2

**CATALOG #:** 2068-1

**AMOUNT:**

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>26</sub>H<sub>37</sub>N<sub>5</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 499.30

**CAS NUMBER:** 171235-71-5

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO and MeOH

**PURITY:** ≥95% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and moisture.

**DESCRIPTION:** Inhibitor of TNF- $\alpha$  processing (IC<sub>50</sub> = 100 nM), similar to TAPI-0 (Cat. No. 2067-1), but more stable in tissue culture and in vivo. Inhibits TACE and other metalloproteases. Blocks release of TNF- $\alpha$  (IC<sub>50</sub> = 50-100  $\mu$ M), APP (1-8  $\mu$ M), IL6R (5- 10  $\mu$ M), TNFR1 (5 -10  $\mu$ M), TNFRII (25 -50  $\mu$ M), and ObRa (leptin receptor), but not CSF-1, from cells in culture.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

- Batimastat (Cat. No. 1704-1)
- GM6001 (Cat. No. 1799-1)
- Marimastat (Cat. No. 1790-1, 5)
- MMP-9 Antibody (Cat. No. 3529-100)
- MMP-9 Antibody (Cat. No. 3969-200)
- MMP-9 Antibody (Cat. No. 5565-100)
- MMP-9, human recombinant (Cat. No. 7789-10, 50, 1000)
- MMP-9 Inhibitor (Cat. No. 1981-500)
- TAPI-0 (Cat. No. 2067-1)
- TAPI-2 (Cat. No. 2069-1)

**FOR RESEARCH USE ONLY! Not to be used in humans.**