

Catalog	Unit
TBI1368 - 5MG	5 mg
TBI1368 - 25MG	25 mg

### Product Details

**Formal Name:** N-isovaleryl-L-valyl-L-valyl-3-hydroxy-6-methyl- $\gamma$ -aminoheptanoyl-L-alanyl-3-hydroxy-6-methyl- $\gamma$ -amino heptanoic acid.

**Molecular Formula:** C<sub>34</sub>H<sub>63</sub>N<sub>5</sub>O<sub>9</sub>.

**Formula Weight:** 685.90.

**CAS Number:** 26305-03-3

**Purity:**  $\geq$ 98%

**Formulation:** Powder.

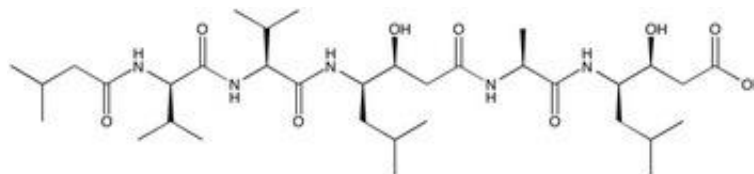
**Solubility:** Soluble in DMSO (up to 5 mg/ml) or in Ethanol (up to 1 mg/ml).

**Storage:** -20°C.

**Stability:**  $\geq$  2 years.

### Applications

Aspartic protease inhibitor.



### Functions

Pepstatin is a selective inhibitor of aspartyl proteases. It inhibits human pepsin, human gastricsin, renin, cathepsin D and E and bovine chymosin. It does not inhibit thiol proteases, neutral proteases, or serine proteases. It also suppresses RANKL-induced osteoclast differentiation.

### Application Procedures

Pepstatin can be first dissolved in DMSO (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

### Relative Products

TBI1092	AICAR, AMPK activator
TBI2069	Cytochalasin B
TBI2073	Forskolin, Adenylate cyclase activator
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI2657	Roflumilast, PDE4 Inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor

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