

## Poststatin

## Chemical Properties

CAS No. : 135219-43-1

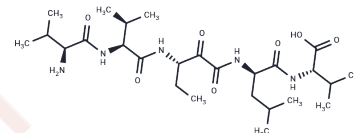
Formula: C<sub>26</sub>H<sub>47</sub>N<sub>5</sub>O<sub>7</sub>

Molecular Weight: 541.69

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |  |
|---------------|--|
| Description   | Poststatin is a prolyl endopeptidase inhibitor produced by <i>Streptomyces viridochromogenes</i> MH534-30F3. |
| Targets(IC50) | Others,Prolyl Endopeptidase (PREP)   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.8461 mL | 9.2304 mL | 18.4607 mL |
| 5 mM  | 0.3692 mL | 1.8461 mL | 3.6921 mL  |
| 10 mM | 0.1846 mL | 0.923 mL  | 1.8461 mL  |
| 50 mM | 0.0369 mL | 0.1846 mL | 0.3692 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Tsuda M, Muraoka Y, Someno T, Nagai M, Aoyagi T, Takeuchi T. Poststatin, a new inhibitor of prolyl endopeptidase. VI. Endopeptidase inhibitory activity of poststatin analogues containing pyrrolidine ring. *J Antibiot (Tokyo)*. 1996 Sep;49(9):900-8. PubMed PMID: 8931724.
- Tsuda M, Muraoka Y, Nagai M, Takeuchi T, Aoyagi T. Poststatin, a new inhibitor of prolyl endopeptidase. IV. The chemical synthesis of poststain. *J Antibiot (Tokyo)*. 1996 Mar;49(3):287-91. PubMed PMID: 8626246.
- Tsuda M, Muraoka Y, Nagai M, Aoyagi T, Takeuchi T. Poststatin, a new inhibitor of prolyl endopeptidase. VII. N-cycloalkylamide analogues. *J Antibiot (Tokyo)*. 1996 Sep;49(9):909-20. PubMed PMID: 8931725.
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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481