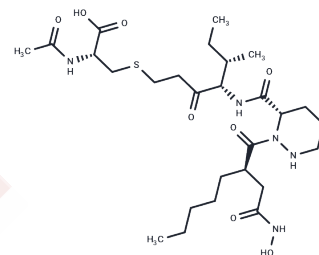


Matlystatin A

Chemical Properties

CAS No. :	140626-94-4
Formula:	C ₂₇ H ₄₇ N ₅ O ₈ S
Molecular Weight:	601.76
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	Matlystatin A is an inhibitor of aminopeptidase. It shows multiple inhibitory activities against both aminopeptidase N and matrix metalloproteinases.
Targets(IC50)	Others,Aminopeptidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6618 mL	8.309 mL	16.6179 mL
5 mM	0.3324 mL	1.6618 mL	3.3236 mL
10 mM	0.1662 mL	0.8309 mL	1.6618 mL
50 mM	0.0332 mL	0.1662 mL	0.3324 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

- Fujii H, Nakajima M, Aoyagi T, Tsuruo T. Inhibition of tumor cell invasion and matrix degradation by aminopeptidase inhibitors. *Biol Pharm Bull*. 1996 Jan;19(1):6-10. PubMed PMID: 8820902.
- Tamaki K, Tanzawa K, Kurihara S, Oikawa T, Monma S, Shimada K, Sugimura Y. Synthesis and structure-activity relationships of gelatinase inhibitors derived from matlystatins. *Chem Pharm Bull (Tokyo)*. 1995 Nov;43(11):1883-93. PubMed PMID: 8575029.
- Ogita T, Sato A, Enokita R, Suzuki K, Ishii M, Negishi T, Okazaki T, Tamaki K, Tanzawa K. Matlystatins, new inhibitors of typeIV collagenases from *Actinomadura atramentaria*. I. Taxonomy, fermentation, isolation, and physico-chemical properties of matlystatin-group compounds. *J Antibiot (Tokyo)*. 1992 Nov;45(11):1723-32. PubMed PMID: 1468979.
- Tanzawa K, Ishii M, Ogita T, Shimada K. Matlystatins, new inhibitors of typeIV collagenases from *Actinomadura atramentaria*. II. Biological activities. *J Antibiot (Tokyo)*. 1992 Nov;45(11):1733-7. PubMed PMID: 1361486.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481