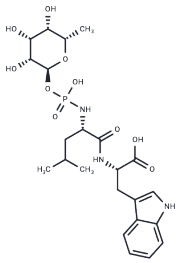
Data Sheet (Cat.No.T26248)

TargetMol

Talopeptin

Chemical Properties



CAS No. : 84235-60-9

Formula: C23H34N3O10P

Molecular Weight: 543.50

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	Talopeptin is a specific thermolysin inhibitor.
Targets(IC50)	MMP,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8399 mL	9.1996 mL	18.3993 mL
5 mM	0.368 mL	1.8399 mL	3.6799 mL
10 mM	0.184 mL	0.920 mL	1.8399 mL
50 mM	0.0368 mL	0.184 mL	0.368 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

Kitagishi K, Hiromi K, Tokushige M. Binding between thermolysin and talopeptin (MKI) in which the tryptophan residue was converted into kynurenine. J Biochem. 1983 Apr;93(4):1045-54. PubMed PMID: 6863233.

Kitagishi K, Hiromi K, Oda K, Murao S. Equilibrium study on the binding between thermolysin and Streptomyces metalloprotease inhibitor, talopeptin (MKI). J Biochem. 1983 Jan;93(1):47-53. PubMed PMID: 6341369.

Kitagishi K, Hiromi K. Studies on the chemical modification of tryptophan residues in thermolysin and in talopeptin (MKI) with N-bromosuccinimide. J Biochem. 1983 Jul;94(1):129-35. PubMed PMID: 6619105.

Kitagishi K, Hiromi K. Binding between thermolysin and its specific inhibitor, N-phosphoryl-L-leucyl-L-tryptophan (PLT). J Biochem. 1986 Jan;99(1):191-7. PubMed PMID: 3957894.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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