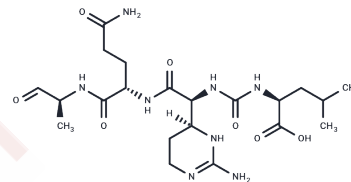


## Elastatinal

## Chemical Properties

CAS No. :	51798-45-9
Formula:	C <sub>21</sub> H <sub>36</sub> N <sub>8</sub> O <sub>7</sub>
Molecular Weight:	512.56
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	Elastatinal is an elastase inhibitor. It is found in culture filtrates of various species of actinomyces.
Targets(IC50)	Others,Serine Protease

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.951 mL	9.755 mL	19.5099 mL
5 mM	0.3902 mL	1.951 mL	3.902 mL
10 mM	0.1951 mL	0.9755 mL	1.951 mL
50 mM	0.039 mL	0.1951 mL	0.3902 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

Maxson T, Tietz JI, Hudson GA, Guo XR, Tai HC, Mitchell DA. Targeting Reactive Carbonyls for Identifying Natural Products and Their Biosynthetic Origins. *J Am Chem Soc.* 2016 Nov 23;138(46):15157-15166. Epub 2016 Nov 14. PubMed PMID: 27797509; PubMed Central PMCID: PMC5148692.

Barros SC, Martins JA, Marcos JC, Cavaco-Paulo A. Characterization of potential elastase inhibitor-peptides regulated by a molecular switch for wound dressings applications. *Enzyme Microb Technol.* 2012 Feb 10;50(2):107-14. doi: 10.1016/j.enzmictec.2011.10.006. Epub 2011 Nov 7. PubMed PMID: 22226196.

Sun T, Zhang S, Ji G. Identification and expression of an elastase homologue in *Branchiostoma belcheri* with implications to the origin of vertebrate pancreas. *Mol Biol Rep.* 2010 Oct;37(7):3303-9. doi: 10.1007/s11033-009-9916-5. Epub 2009 Nov 12. PubMed PMID: 19908163.

Ferreira GA, Magliano AC, Pral EM, Alfieri SC. Elastase secretion in *Acanthamoeba polyphaga*. *Acta Trop.* 2009 Nov;112(2):156-63. doi: 10.1016/j.actatropica.2009.07.015. Epub 2009 Jul 24. PubMed PMID: 19632188.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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