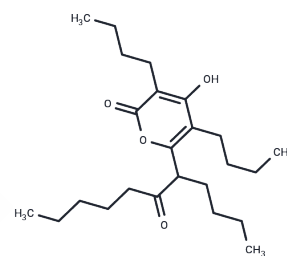


Elasnin

Chemical Properties

CAS No. :	68112-21-0
Formula:	C ₂₄ H ₄₀ O ₄
Molecular Weight:	392.57
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	Elasnin is a reversible inhibitor of elastase for human granulocyte and pancreatic enzymes with IC ₅₀ values of 1.3 and 30 µg/ml, respectively.
Targets(IC ₅₀)	Others,Serine Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5473 mL	12.7366 mL	25.4732 mL
5 mM	0.5095 mL	2.5473 mL	5.0946 mL
10 mM	0.2547 mL	1.2737 mL	2.5473 mL
50 mM	0.0509 mL	0.2547 mL	0.5095 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

- Cook L, Ternai B, Ghosh P. Inhibition of human sputum elastase by substituted 2-pyrones. J Med Chem. 1987 Jun;30(6):1017-23. PubMed PMID: 3647139.
- Spencer RW, Copp LJ, Pfister JR. Inhibition of human leukocyte elastase, porcine pancreatic elastase, and chymotrypsin by elasnin and other 4-hydroxy-2-pyrones. J Med Chem. 1985 Dec;28(12):1828-32. PubMed PMID: 4068006.
- Groutas WC, Stanga MA, Brubaker MJ, Huang TL, Moi MK, Carroll RT. Substituted 2-pyrones, 2-pyridones, and other congeners of elasnin as potential agents for the treatment of chronic obstructive lung diseases. J Med Chem. 1985 Aug;28(8):1106-9. PubMed PMID: 3848491.
- Ohno H, Yoshida M, Takahashi Y, Omura S. Improvement of the productivity of elasnin, a specific elastase inhibitor, by Streptomyces noboritoensis KM-2753. J Antibiot (Tokyo). 1980 May;33(5):474-9. PubMed PMID: 6903571.

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