

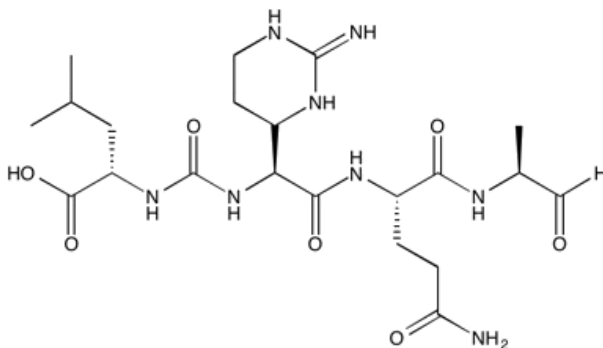
Catalog # 10-2818

Elastatinal

CAS# 51798-45-9

N[(S)-1-Carboxyisopentyl]carbamoyl-a-[2-iminohexahydro-4(S)-pyrimidyl-(S)-glycl-(S)-glutaminy-(S)-alaninal

Lot # X101893



Irreversible inhibitor of neutrophil elastase.¹ Inhibits rat microglia elastase.² Inhibits the protease activity of poliovirus and rhinovirus 2A proteinase.³ Inhibits the α 2-macroglobulin-protease complex of mouse mammary tumor virus.⁴

- 1) Umezawa *et al.* (1973), *Letter: Elastatinal, a new elastase inhibitor produced by actinomycetes*; J. Antibiotics, **26** 787
- 2) Nakajima *et al.* (1992), *Identification of elastase as a secretory protease from cultured rat microglia*; J. Neurochem., **58** 1401
- 3) Molla *et al.* (1993), *Inhibition of proteolytic activity of poliovirus and rhinovirus 2A proteases by elastase-specific inhibitors*; J. Virol., **67** 4688
- 4) Menendez-Arias *et al.* (1992), *Isolation and characterization of alpha 2-macroglobulin-protease complexes from purified mouse mammary tumor virus and culture supernatants from virus-infected cell lines*; J. Biol. Chem., **267** 11392

PHYSICAL DATA

Molecular Weight:	512.56
Molecular Formula:	C ₂₁ H ₃₆ N ₈ O ₇
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 3 mg/ml) or in Water (up to 5 mg/ml)
Physical Description:	Lyophilized Off-white solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

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