



LKT Laboratories, Inc.

Amastatin Hydrochloride Hydrate

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Product Information

Product ID A4805

CAS No. 100938-10-1

Chemical Name

Synonym [(2S,3R)-3-Amino-2-hydroxy-5-methyl-hexanoyl]-Val-Val-Asp-OH · HCl

Formula C₂₁H₃₈N₄O₈ · HCl · xH₂O

Formula Wt. 511.01

Melting Point 202-205 °C

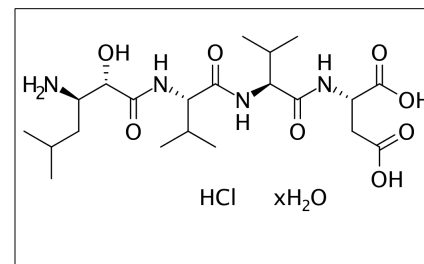
Purity ≥98%

Solubility Soluble in DMSO and acetic acid.

Store Temp 4 °C

Ship Temp Ambient

Description Amastatin inhibits enzymatic activity of aminopeptidases in vivo and in vitro; it also exhibits vasoconstrictive/pressor activity.



Bulk quantities available upon request

Product ID	Size
A4805	1 mg
A4805	5 mg
A4805	10 mg

References Tobin VA, Arechaga G, Brunton PJ, et al. Oxytocinase in the female rat hypothalamus: a novel mechanism controlling oxytocin neurones during lactation. *J Neuroendocrinol.* 2014 Apr;26(4):205-16. PMID: 24612105.

Pillay D, Boulangé AF, Coustou V, et al. Recombinant expression and biochemical characterisation of two alanyl aminopeptidases of *Trypanosoma congolense*. *Exp Parasitol.* 2013 Dec;135(4):675-84. PMID: 24177338.

Batt CM, Klein EW, Harding JW, et al. Pressor responses to amastatin, bestatin and Plummer's inhibitors are suppressed by pretreatment with the angiotensin receptor antagonist sarthran. *Brain Res Bull.* 1988 Nov;21(5):731-5. PMID: 3219604.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.