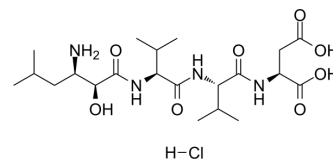


## Amastatin hydrochloride

Cat. No.:	HY-115194
CAS No.:	100938-10-1
Molecular Formula:	C <sub>21</sub> H <sub>39</sub> ClN <sub>4</sub> O <sub>8</sub>
Molecular Weight:	511
Target:	Aminopeptidase; Bacterial
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Amastatin hydrochloride is a slow, tight binding, competitive aminopeptidase (AP) inhibitor with K <sub>i</sub> values of 0.26 nM, 30 nM, 52 nM for <i>Aeromonas</i> aminopeptidase, cytosolic leucine aminopeptidase, microsomal aminopeptidase <sup>[1]</sup> .
In Vitro	Amastatin hydrochloride (1-10000 ng/ml) exhibited inhibitory profiles of <i>E. cuniczcli</i> replication in vitro in a dose dependent manner <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. S H Wilkes, et al. The Slow, Tight Binding of Bestatin and Amastatin to Aminopeptidases. *J Biol Chem.* 1985 Oct 25;260(24):13154-62.
- [2]. J J Millership, et al. In Vitro and in Vivo Evaluation of Aminopeptidase Inhibitors as Antimicrosporidial Therapies. *J Eukaryot Microbiol.* 2001;Suppl:95S-98S.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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