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## Product Information

### Amastatin hydrochloride hydrate

Product Number **A1276**

Storage Temperature -0 °C

#### Product Description

Molecular Formula:  $C_{21}H_{38}N_4O_8 \cdot HCl \cdot xH_2O$

Molecular Weight: 511.0 (anhydrous)

Melting Point: 202-205 °C<sup>1</sup>

This product is a reversible metalloprotease inhibitor. It also inhibits aminopeptidases, such as alanyl-aminopeptidase. The effective concentration for use is 1-10  $\mu M$ .<sup>2</sup> Additional usage information has been published.<sup>3,4</sup>

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Preparation Instructions

This product is soluble in methanol (50 mg/ml), yielding a clear, colorless solution. Amastatin HCl is also soluble in water (5 mg/ml).

#### Storage/Stability

A stock solution of amastatin in methanol is stable for at least one month at -20 °C.<sup>2</sup>

#### References

1. J. Org. Chem., **45**, 2288 (1980).
2. Proteolytic Enzymes, A Practical Approach, Beynon, R. J. and Bond, J. S., eds., pp. 241-242.
3. Tobe, H., et al., Agric. Biol. Chem., **43**, 591 (1979).
4. Umezawa, H., Ann. Rev. Microbiol., **36**, 75 (1982).

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