



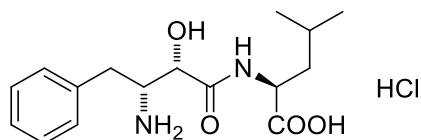
**Catalog # 10-1286**

**Bestatin HCl**

CAS# 65391-42-6

[(2S,3R)-3-Amino-2-hydroxy-4-phenylbutanoyl]-L-leucine HCl

Lot # X103029



Inhibits leucine aminopeptidase and aminopeptidases B and N. Inhibits leukotriene A4 hydrolase. Displays immunostimulant activity via activation of macrophages and T lymphocytes. Displays antitumor activity.

- 1) Orning *et al.* (1991), *Leukotriene A4 hydrolase. Inhibition by bestatin and intrinsic aminopeptidase activity establish its functional resemblance to metallohydrolase enzymes*; J. Biol. Chem., **266** 1375
- 2) Wang *et al.* (2010), *The effect of different species aminopeptidase N structure on the activity screening of aminopeptidase N inhibitor*; Biol. Pharm. Bull., **33** 1658

#### **PHYSICAL DATA**

Molecular Weight:	344.84
Molecular Formula:	C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> · HCl
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Water (up to 10 mg/ml), DMSO or Ethanol
Physical Description:	White solid
Storage and Stability:	Store as supplied at desiccated at -20°C for up to 2 years from the date of purchase. Solutions in Distilled water, DMSO or ethanol may be stored at -20°C for up to 1 month.

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