



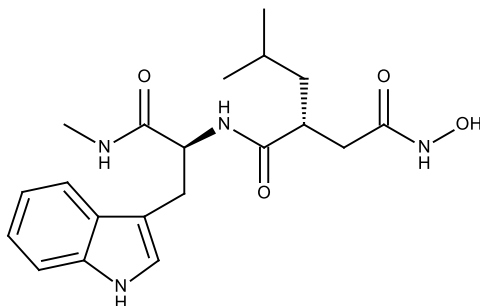
Catalog # 10-1339

Ilomastat

CAS# 142880-36-2

GM-6001, N-[(2R)-2-(Hydroxamidocarbonylmethyl)-4-methylpentanoyl]-L-tryptophan methylamide

Lot # FBM2067



Potent pan-specific inhibitor of matrix metalloproteinases (MMPs).¹ K_i values have been reported for the following human MMPs: MMP-1, 0.4nM; MMP-2, 0.5nM; MMP-3, 27nM; MMP-7, 3.7nM; MMP-8, 0.1nM; MMP-9, 0.2nM; MMP-12, 3.6nM; MMP-14, 13.4nM; MMP-26, 0.36nM.²⁻⁴ Also inhibits MMP-10, MMP-13, MMP-15, MMP-17, MMP-20, MMP-21, TACE and ADAM19.

- 1) Saghatelian, *et al.* (2004) *Activity-based probes for the proteomic profiling of metalloproteases* *Proc. Natl. Acad. Sci. USA* **101** 10000
- 2) Galardy *et al.* (1994) *Low molecular weight inhibitors in corneal ulceration*, *Ann.N.Y.Acad.Sci* **732** 315
- 3) Yamamoto *et al.* (1998) *Inhibition of Membrane-Type 1 Matrix Metalloproteinase by Hydroxamate Inhibitors: An Examination of the Subsite Pocket*, *J. Med. Chem.* **41** 1209
- 4) Park *et al.* (2003) *The intermediate S1' pocket of the endometase/matrilysin-2 active site revealed by enzyme inhibition kinetic studies, protein sequence analyses, and homology modeling* *J. Biol. Chem.* **278** 51646

PHYSICAL DATA

Molecular Weight: 388.46
Molecular Formula: C₂₀H₂₈N₄O₄
Purity: >97% (TLC)
Solubility: DMSO (up to 10 mg/ml) or ethanol (up to 10 mg/ml)
Physical Description: White solid
Storage and Stability: Store as supplied at -20°C for up to one year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months

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