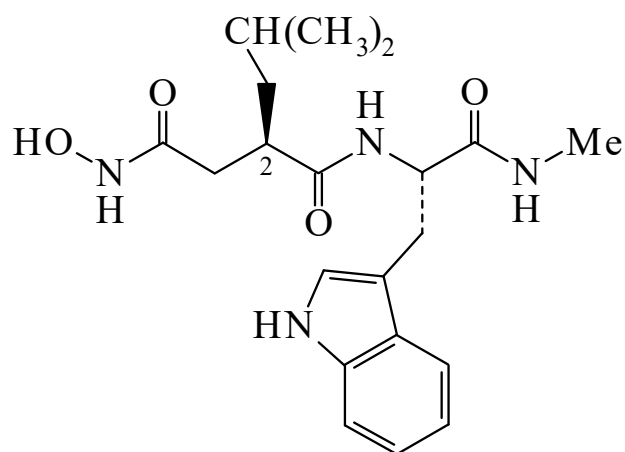




>>Entry Name: Iiomastat, INN

Synonym(s): *N*⁴-Hydroxy-*N*¹-[1-(1*H*-indol-3-ylmethyl)-2-(methylamino)-2-oxoethyl]-2-(2-methylpropyl)butanediamide, 9Cl. *N*-[2-Isobutyl-3-(*N*-hydroxycarbonylamido)propanoyl]tryptophan methylamide. GM 6001



CAS Registry Number: 142880-36-2

Related CAS Registry Numbers(s): 142880-37-3 142880-38-4 142880-75-9

Molecular Formula: C₂₀H₂₈N₄O₄

Molecular Weight: 388.466

Accurate Mass: 388.211056

Percentage Composition: C 61.84%; H 7.26%; N 14.42%; O 16.47%

Use/Importance: Matrix metalloprotease inhibitor. Angiogenesis inhibitor. In animal models shown to reverse development of autoimmune encephalomyelitis (with implications for treatment of multiple sclerosis)

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 157-162°. Mp 176-182°

Other Data: Mp's refer to two stereoisomers of undetd. config.

References:

- Grobelny, D. *et al.*, *Biochemistry*, 1992, **31**, 7152, (*pharmacol, isomers*)
Schultz, G.S. *et al.*, *Invest. Ophthalmol. Visual Sci.*, 1992, **33**, 3325, (*use*)
Pat. Coop. Treaty (WIPO), 1992, *Glycomed*, 92 09 563; *CA*, **117**, 212958c, (*synth, pharmacol*)
Galaray, R.E. *et al.*, *Cancer Res.*, 1994, **54**, 4715, (*pharmacol*)
Gijbels, K. *et al.*, *J. Clin. Invest.*, 1994, **94**, 2177, (*pharmacol*)