

Ilomastat (GM-6001), MMP inhibitor (pan-specific)

Catalog	Unit
TBI1339 - 1MG	1 mg
TBI1339 - 5MG	5 mg

Product Details

Formal Name: N-[(2R)-2-(Hydroxamidocarbonylmethyl)-4-methylpentanoyl]-L-tryptophan methylamide

Alternate Names: GM-6001

Molecular Formula: C₂₀H₂₈N₄O₄

Formula Weight: 388.46

CAS Number: 142880-36-2

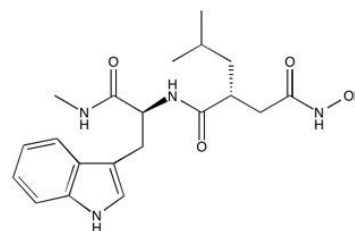
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 10 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

MMP inhibitor (pan-specific)

Functions

Ilomastat (142880-36-2) is a potent pan-specific inhibitor of matrix metalloproteinases (MMPs). 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.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in ethanol (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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