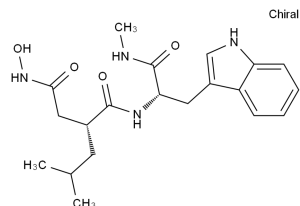


Product Name	: Ilomastat
Synonyms	: GM6001, Galardin
Cat No.	: M11809
CAS Number	: 142880-36-2
Molecular Formula	: C ₂₀ H ₂₈ N ₄ O ₄
Formula Weight	: 388.46
Chemical Name	: (R)-N1-((S)-3-(1H-indol-3-yl)-1-(methylamino)-1-oxopropan-2-yl)-N4-hydroxy-2-isobutylsuccinamide
Description	Ilomastat (GM6001, Galardin) is a broad spectrum matrix metalloprotease (MMP) inhibitor for MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-12, MMP-14, and MMP-26 with K_i of 0.4 nM, 0.5 nM, 27 nM, 3.7 nM, 0.1 nM, 0.2 nM, 3.6 nM, 13.4 nM, 0.36 nM, respectively.
Pathway	: Metabolic Enzyme/Protease
Target	: MMP
Receptor	: MMP-1; MMP-12; MMP-2; MMP-26; MMP-7; MMP-8; MMP-9
Solubility	: Ethanol: 8 mg/mL (20.59 mM); DMSO: 78 mg/mL (200.79 mM)
SMILES	: <chem>O=C(NC)[C@@H](NC([C@@H](CC(=O)O)CC(C)C=O)CC1=CNC2=CC=CC=C2)CC=CC=C21</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Grobelny D, et al. Biochemistry, 1992, 31(31), 7152-714.