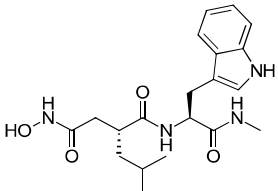




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	4483	<b>Batch Number:</b>	1
<b>Product Name:</b>	Ilomastat		
<b>Alternative Name(s):</b>	GM6001		
<b>IUPAC Name:</b>	N-((S)-2-(3-Indolyl)-1-(N-methylcarbamoyl)ethyl)(R)-2-(hydroxamomethyl)-4-methylvaleramide		
<b>Structure:</b>			<b>Amount:</b>
<b>CAS number(s):</b>	142880-36-2	<b>Molecular Weight:</b>	388.46
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>28</sub> N <sub>4</sub> O <sub>4</sub>	<b>Batch Molecular Weight:</b>	392.97
<b>Batch Molecular Formula:</b>	C <sub>20</sub> H <sub>28</sub> N <sub>4</sub> O <sub>4</sub> ·0.25H <sub>2</sub> O	<b>Observed mp:</b>	196.5 - 198.5 °C
<b>Appearance:</b>	White solid		
<b>TLC (R<sub>f</sub>):</b>	0.6	EtOAc/MeOH (20:1)	
<b>Chemical Purity:</b>	98.2%		
<b>Optical Purity (ee):</b>	Optically pure		
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = -16.4° with c = 0.5 in MeOH		
<b><sup>1</sup>H-NMR:</b>	Analytical data confirm chemical structure		
<b>Mass Spec:</b>	Analytical data confirm chemical structure		
<b>Microanalysis:</b>	Calculated: C 61.13, H 7.31, N 14.26; Found: C 61.21, H 7.29, N 14.29		
<b>Storage Conditions:</b>	Store at -20 °C		
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)		
	DMSO	39.3	>100 mM
	EtOH	4.4	11.3
<b>Remarks:</b>			

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**