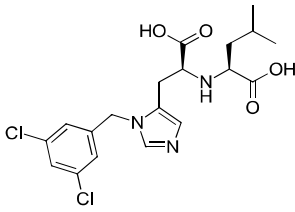




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	4433	<b>Batch Number:</b>	1	
<b>Product Name:</b>	MLN-4760			
<b>Alternative Name(s):</b>	N.A.			
<b>IUPAC Name:</b>	(S)-2-((S)-1-Carboxy-2-(1-((3,5-dichlorophenyl)methyl)-5-imidazolyl)ethylamino)-4-methylvaleric acid			
<b>Structure:</b>			<b>Amount:</b>	
<b>CAS number(s):</b>	305335-31-3			
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>23</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>4</sub>	<b>Molecular Weight:</b>	428.31	
<b>Batch Molecular Formula:</b>	C <sub>19</sub> H <sub>23</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>4</sub> .0.75H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	441.82	
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	229 - 232 °C (decomp)	
<b>TLC (R<sub>f</sub>):</b>	0.6	DCM/MeOH (20:1)		
<b>Chemical Purity:</b>	99.4%			
<b>Optical Purity (de):</b>	100%			
<b>Optical Rotation (Det.):</b>	[α] <sub>D</sub> = -13.4° with c = 0.5 in DMSO			
<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 51.65, H 5.59, N 9.51; Found: C 51.64, H 5.31, N 9.30			
<b>Storage Conditions:</b>	Store at -20 °C			
<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	8.5	19.2	
	0.1N HCl (aq)			Not Tested
	DMSO	2.6	6.0	* Warming (40°C) and sonication.
	EtOH	0.0	0.0	Insoluble
<b>Remarks:</b>	* Warming (40°C) and sonication enhanced solubility.			

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**