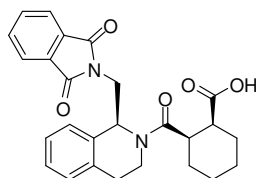




## Certificate of Analysis

**Axon Catalogue ID:** 2641 **Batch Number:** 1  
**Product Name:** ML 334  
**Alternative Name(s):** LH601A  
**IUPAC Name:** (1S,2R)-2-((S)-1-((1,3-Dioxisoindolin-2-yl)methyl)-1,2,3,4-tetrahydroisoquinoline-2-carbonyl)cyclohexanecarboxylic acid

**Structure:**



**Amount:**

**CAS number(s):** 1432500-66-7  
**Molecular Formula:** C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>O<sub>5</sub> **Molecular Weight:** 446.50  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>O<sub>5</sub>.0.25H<sub>2</sub>O **Batch Molecular Weight:** 451.00  
**Appearance:** White solid **Observed mp:** 129 - 131 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**Optical Purity (ee):** Optically pure  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 69.24, H 5.92, N 6.21; Found: C 69.30, H 5.87, N 6.25  
**Storage Conditions:** Store at +4 °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)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	45.1	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 02-11-2016

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**