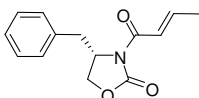




## Certificate of Analysis

**Axon Catalogue ID:** 2590 **Batch Number:** 1  
**Product Name:** Locostatin  
**Alternative Name(s):** UIC 1005  
**IUPAC Name:** (S,E)-4-Benzyl-3-but-2-enoyloxazolidin-2-one

**Structure:**



**Amount:**

**CAS number(s):** 90719-30-5  
**Molecular Formula:** C<sub>14</sub>H<sub>15</sub>NO<sub>3</sub> **Molecular Weight:** 245.27  
**Batch Molecular Formula:** C<sub>14</sub>H<sub>15</sub>NO<sub>3</sub> **Batch Molecular Weight:** 245.27  
**Appearance:** White solid **Observed mp:** 86.1 - 87.8 °C  
**TLC (R<sub>f</sub>):** 0.43 Hex/EtOAc (4:1)  
**Chemical Purity:** 99.9%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 68.56, H 6.16, N 5.71; Found: C 68.45, H 6.42, N 5.79  
**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			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.5	>100 mM	
	EtOH	7.2	29.4	

**Remarks:**

**QC Date:** 24-6-2021

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**