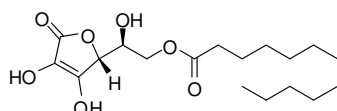




## Certificate of Analysis

**Axon Catalogue ID:** 1317 **Batch Number:** 1  
**Product Name:** L-Ascorbyl dodecanoate  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-2-((R)-3,4-Dihydroxy-5-oxo-2,5-dihydrofuran-2-yl)-2-hydroxyethyl dodecanoate

**Structure:**



**Amount:**

**CAS number(s):** 16690-40-7  
**Molecular Formula:** C<sub>18</sub>H<sub>30</sub>O<sub>7</sub> **Molecular Weight:** 358.43  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>30</sub>O<sub>7</sub> **Batch Molecular Weight:** 358.43  
**Appearance:** Off-white solid **Observed mp:** ND  
**TLC (R<sub>f</sub>):** 0.2 EtOAc  
**Chemical Purity:** >99%  
**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 60.32, H 8.44, N -; Found: C ND, H ND, N ND  
**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			Not Tested
	EtOH			Not Tested

**Remarks:**

**QC Date:** 05-03-2019

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**