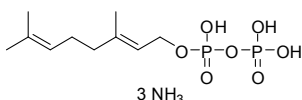




## Certificate of Analysis

**Axon Catalogue ID:** 1489 **Batch Number:** 2  
**Product Name:** Geranyl pyrophosphate ammonium salt  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (E)-3,7-dimethylocta-2,6-dienyl trihydrogen diphosphate triammonium salt

**Structure:**



**Amount:**

**CAS number(s):** 763-10-0 (parent), 116057-55-7 (ammonium salt (1:3))  
**Molecular Formula:** C<sub>10</sub>H<sub>20</sub>O<sub>7</sub>P<sub>2</sub>.3NH<sub>3</sub> **Molecular Weight:** 356.30  
**Batch Molecular Formula:** C<sub>10</sub>H<sub>20</sub>O<sub>7</sub>P<sub>2</sub>.3NH<sub>3</sub> **Batch Molecular Weight:** 356.30  
**Appearance:** White solid **Observed mp:** ND  
**TLC (R<sub>f</sub>):** 0.5 IPA/H<sub>2</sub>O/EtOAc (6:3:1)  
**Chemical Purity:** 98.0%  
**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 32.88, H 8.00, N 11.50; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	35.6	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	0.0	0.0	Insoluble
	EtOH			Not Tested

**Remarks:**

**QC Date:** 23-03-2016

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**