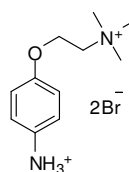


## Certificate of Analysis

**Axon Catalogue ID:** 1876 **Batch Number:** 1  
**Product Name:** 4-APC  
**Alternative Name(s):** VUF 11000  
**IUPAC Name:** 4-(2-(Trimethylammonio)ethoxy)benzenaminium diborimide

**Structure:**



**Amount:**

**CAS number(s):** 1076196-38-7  
**Molecular Formula:** C<sub>11</sub>H<sub>20</sub>Br<sub>2</sub>N<sub>2</sub>O **Molecular Weight:** 356.10  
**Batch Molecular Formula:** C<sub>11</sub>H<sub>20</sub>Br<sub>2</sub>N<sub>2</sub>O **Batch Molecular Weight:** 356.10  
**Appearance:** Off-white solid **Observed mp:** 262 - 267 °C  
**TLC (R<sub>f</sub>):** - -  
**Chemical Purity:** 99.8%  
**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 37.10, H 5.66, N 7.87; Found: C ND, H ND, N ND  
**Storage Conditions:** Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	35.6	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	18.0	50.5	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 28-08-2018

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**