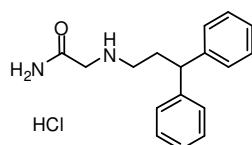




## Certificate of Analysis

**Axon Catalogue ID:** 1249 **Batch Number:** 2  
**Product Name:** N 20C hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(3,3-Diphenylpropylamino)acetamide hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 76991-05-4 (parent), 1177583-87-7 (HCl (1:1))  
**Molecular Formula:** C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O.HCl **Molecular Weight:** 304.81  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O.HCl.0.1H<sub>2</sub>O **Batch Molecular Weight:** 306.62  
**Appearance:** White solid **Observed mp:** 179.0 - 182.0 °C  
**TLC (R<sub>f</sub>):** 0.62 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 98.9%  
**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 66.59, H 6.97, N 9.14; Found: C 66.56, H 7.08, N 9.17  
**Storage Conditions:** Desiccate at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	30.7	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.0	78.3	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 09-04-2019

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**