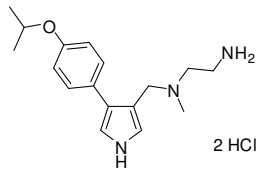




Certificate of Analysis

Axon Catalogue ID:	3681	Batch Number:	1																								
Product Name:	MS023 dihydrochloride																										
Alternative Name(s):	N.A.																										
IUPAC Name:	N1-((4-(4-Isopropoxyphenyl)-1H-pyrrol-3-yl)methyl)-N1-methylethane-1,2-diamine dihydrochloride																										
Structure:	 <chem>CN(C)CCN.C1=CN=C(C2=CC=C(C=C2)OC(C)C)C1</chem> 2 HCl	Amount:																									
CAS number(s):	1831110-54-3 (parent), 1992047-64-9 (HCl (1:2))																										
Molecular Formula:	C17H25N3O.2HCl	Molecular Weight:	360.32																								
Batch Molecular Formula:	C17H25N3O.2HCl.2.25H2O	Batch Molecular Weight:	400.86																								
Appearance:	Light-pink solid	Observed mp:	99 °C																								
TLC (R_f):	0.38 MeOH/TEA (1:1)																										
Chemical Purity:	99.0%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 50.94, H 7.92, N 10.48, Cl 17.69; Found: C 50.66, H 7.56, N 10.26, Cl 17.70																										
Storage Conditions:	Desiccate at -20 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>40.1</td><td>>100 mM</td><td></td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>22.0</td><td>54.9</td><td></td></tr><tr><td>EtOH</td><td>40.1</td><td>>100 mM</td><td></td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	40.1	>100 mM		0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	22.0	54.9		EtOH	40.1	>100 mM			
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Remarks:																											
QC Date:	16-8-2022																										

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only