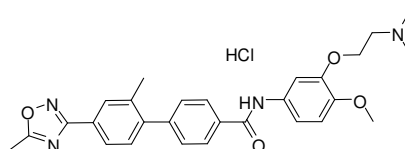




## Certificate of Analysis

**Axon Catalogue ID:** 1085 **Batch Number:** 2  
**Product Name:** SB 216641 hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2'-Methyl-4'-(5-methyl-[1,2,4]oxadiazol-3-yl)-biphenyl-4-carboxylic acid [3-(2-dimethylaminoethoxy)-4-methoxy-phenyl]-amide hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 170230-39-4 (parent), 193611-67-5 (HCl (1:1))  
**Molecular Formula:** C<sub>28</sub>H<sub>30</sub>N<sub>4</sub>O<sub>4</sub>.HCl **Molecular Weight:** 523.02  
**Batch Molecular Formula:** C<sub>28</sub>H<sub>30</sub>N<sub>4</sub>O<sub>4</sub>.HCl **Batch Molecular Weight:** 523.02  
**Appearance:** White solid **Observed mp:** 210 - 211 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 99.2%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 64.30, H 5.97, N 10.71; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	30.0	57.4	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	50.0	95.6	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 10-4-2024

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**