



Certificate of Analysis

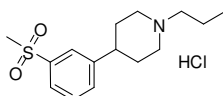
Axon Catalogue ID: 1579 **Batch Number:** 2

Product Name: Pridopidine hydrochloride

Alternative Name(s): ACR 16 HCl; Huntexil HCl; ASP 2314 HCl; FR 310826 HCl

IUPAC Name: 4-(3-(Methylsulfonyl)phenyl)-1-propylpiperidine hydrochloride

Structure:



Amount:

CAS number(s): 346688-38-8 (parent), 882737-42-0 (HCl (1:1))

Molecular Formula: C₁₅H₂₃NO₂S.HCl

Molecular Weight: 317.87

Batch Molecular Formula: C₁₅H₂₃NO₂S.HCl.0.75H₂O

Batch Molecular Weight: 331.39

Appearance: Off-white solid

Observed mp: 199 - 200 °C

TLC (R_f): 0.47 DCM/MeOH (9:1)

Chemical Purity: 100%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 54.37, H 7.76, N 4.23; Found: C 54.34, H 7.66, N 4.52

Storage Conditions: Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	33.1	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	33.1	>100 mM	
	EtOH			Not Tested

Remarks: The material is hygroscopic.

QC Date: 11-2-2022

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