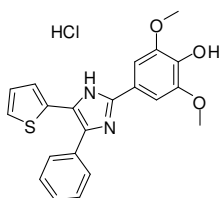


Certificate of Analysis

Axon Catalogue ID: 3772 **Batch Number:** 1
Product Name: DPTIP hydrochloride
Alternative Name(s): N.A.
IUPAC Name: 2,6-Dimethoxy-4-(5-phenyl-4-(thiophen-2-yl)-1H-imidazol-2-yl)phenol hydrochloride

Structure:



Amount:

CAS number(s): 351353-48-5 (parent), 2361799-64-4 (HCl (1:1))
Molecular Formula: C₂₁H₁₈N₂O₃S.HCl **Molecular Weight:** 414.91
Batch Molecular Formula: C₂₁H₁₈N₂O₃S.HCl.0.25H₂O **Batch Molecular Weight:** 419.41
Appearance: Beige solid **Observed mp:** 283 °C
TLC (R_f): 0.52 DCM/MeOH (9:1)
Chemical Purity: 99.4%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.14, H 4.69, N 6.68; Found: C 59.98, H 4.68, N 6.49
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	3.0	7.2	* Warming (40°C)
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	41.9	>100 mM	
	EtOH	20.0	47.7	

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 28-3-2023

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