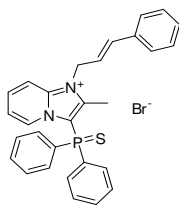


Certificate of Analysis

Axon Catalogue ID:	2321	Batch Number:	1	
Product Name:	ML 154			
Alternative Name(s):	NCGC00185684; NCGC84			
IUPAC Name:	3-(Diphenylphosphinothioyl)-2-methyl-1-[(2E)-3-phenyl-2-propen-1-yl]imidazo[1,2-a]pyridinium bromide			
Structure:			Amount:	
CAS number(s):	1346105-73-4 (parent), 1345964-89-7 (HBr (1:1))			
Molecular Formula:	C ₂₉ H ₂₆ N ₂ PS.Br	Molecular Weight:	545.47	
Batch Molecular Formula:	C ₂₉ H ₂₆ N ₂ PS.Br.0.25H ₂ O	Batch Molecular Weight:	549.98	
Appearance:	White solid	Observed mp:	227.5 - 229.6 °C	
TLC (R_f):	0.5	DCM:MeOH (9:1)		
Chemical Purity:	99.4%			
Optical Purity (ee):	N.A.			
¹H-NMR (300 MHz):	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 63.33, H 4.86, N 5.09; Found: C 63.25, H 4.68, N 5.10			
Storage Conditions:	Store at +4 °C			
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	14.0	25.5	
	EtOH			Not Tested
Remarks:				
QC Date:	15-7-2020			

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