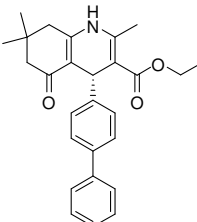




Certificate of Analysis

Axon Catalogue ID:	2467	Batch Number:	1
Product Name:	(+) -ITD 1		
Alternative Name(s):	N.A.		
IUPAC Name:	(R)-Ethyl 4-(biphenyl-4-yl)-2,7,7-trimethyl-5-oxo-1,4,5,6,7,8-hexahydroquinoline-3-carboxylate		
Structure:		Amount:	
CAS number(s):	1409968-46-2		
Molecular Formula:	C ₂₇ H ₂₉ NO ₃	Molecular Weight:	415.52
Batch Molecular Formula:	C ₂₇ H ₂₉ NO ₃ .1H ₂ O	Batch Molecular Weight:	433.54
Appearance:	Light-yellow solid	Observed mp:	206 - 207 °C
TLC (R_f):	0.6	DCM/MeOH (9:1)	
Chemical Purity:	99.2%		
Optical Purity (ee):	100%		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 74.80, H 7.21, N 3.23; Found: C 75.12, H 6.90, N 3.32		
Storage Conditions:	Store at	-20 °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	43.4	>100 mM
	EtOH		Not Tested
Remarks:			
QC Date:	9-7-2021		

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