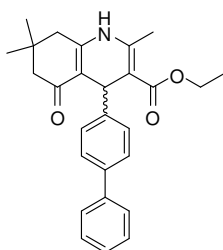




Certificate of Analysis

Axon Catalogue ID: 2323 **Batch Number:** 1
Product Name: ITD 1
Alternative Name(s): N.A.
IUPAC Name: 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): 1099644-42-4
Molecular Formula: C₂₇H₂₉NO₃ **Molecular Weight:** 415.52
Batch Molecular Formula: C₂₇H₂₉NO₃ **Batch Molecular Weight:** 415.52
Appearance: Light-yellow solid **Observed mp:** 207 - 209 °C
TLC (R_f): 0.45 DCM/MeOH (9:1)
Chemical Purity: 98.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 78.04, H 7.03, N 3.37; Found: C 77.93, H 6.99, N 3.38
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)			Not Tested
	DMSO	35.0	84.2	
	EtOH			Not Tested

Remarks:

QC Date: 12-02-2020

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