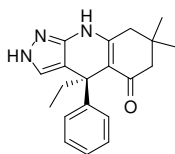




Certificate of Analysis

Axon Catalogue ID: 2931 **Batch Number:** 1
Product Name: BRD0705
Alternative Name(s): N.A.
IUPAC Name: (S)-4-Ethyl-7,7-dimethyl-4-phenyl-6,7,8,9-tetrahydro-2H-pyrazolo[3,4-b]quinolin-5(4H)-one

Structure:



Amount:

CAS number(s): 2056261-41-5
Molecular Formula: C₂₀H₂₃N₃O **Molecular Weight:** 321.42
Batch Molecular Formula: C₂₀H₂₃N₃O.0.5H₂O **Batch Molecular Weight:** 330.42
Appearance: White solid **Observed mp:** 180.2 °C (decomp)
TLC (R_f): 0.56 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): 100%
Optical Rotation (Det.): [α]_D = -37.7° with c = 0.5 in MeOH
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 72.70, H 7.32, N 12.72; Found: C 72.66, H 7.33, N 12.88
Storage Conditions: Store at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	0.0	0.0	Insoluble
DMSO	33.0	>100 mM	
EtOH			Not Tested

Remarks:

QC Date: 14-5-2020

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