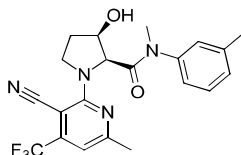




Certificate of Analysis

Axon Catalogue ID: 4355 **Batch Number:** 1
Product Name: ART558
Alternative Name(s): N.A.
IUPAC Name: N-Methyl-N-1,3-tolyl-(2S,3R)-1-(3-cyano-6-methyl-4-(trifluoromethyl)-2-pyridyl)-3-hydroxy-2-pyrrolidinecarboxamide

Structure:



Amount:

CAS number(s): 2603528-97-6
Molecular Formula: C₂₁H₂₁F₃N₄O₂ **Molecular Weight:** 418.41
Batch Molecular Formula: C₂₁H₂₁F₃N₄O₂ **Batch Molecular Weight:** 418.41
Appearance: Light-brown solid **Observed mp:** 180.0 - 181.5 °C
TLC (R_f): 0.4 DCM/MeOH (20:1)
Chemical Purity: 99.6%
Optical Purity (ee): 100%
Optical Rotation (Det.): [α]_D = +221.4° with c = 0.4 in EtOH
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.28, H 5.06, N 13.39; Found: C 60.24, H 5.07, N 13.56
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)	0.0	0.0	Insoluble
	DMSO	41.8	>100 mM	
	EtOH	21.0	50.2	

Remarks:

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