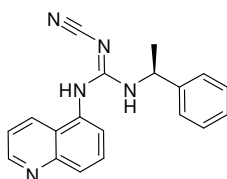




Certificate of Analysis

Axon Catalogue ID: 2182 **Batch Number:** 1
Product Name: A 804598
Alternative Name(s): N.A.
IUPAC Name: (S,Z)-2-Cyano-1-(1-phenylethyl)-3-(quinolin-5-yl)guanidine

Structure:



Amount:

CAS number(s): 1125758-85-1
Molecular Formula: C₁₉H₁₇N₅ **Molecular Weight:** 315.37
Batch Molecular Formula: C₁₉H₁₇N₅.1H₂O **Batch Molecular Weight:** 333.39
Appearance: Off-white solid **Observed mp:** 211 °C
TLC (R_f): 0.35 DCM/MeOH (15:1)
Chemical Purity: 99.6%
Optical Purity (ee): 99.3%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.45, H 5.74, N 21.01; Found: C 68.53, H 5.49, N 21.09
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	33.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 16-01-2019

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