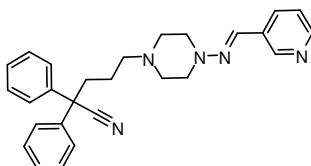


Certificate of Analysis

Axon Catalogue ID: 2112 **Batch Number:** 1
Product Name: SC 26196
Alternative Name(s): N.A.
IUPAC Name: (E)-2,2-Diphenyl-5-(4-(pyridin-3-ylmethyleneamino)piperazin-1-yl)pentanenitrile

Structure:



Amount:

CAS number(s): 218136-59-5
Molecular Formula: C₂₇H₂₉N₅ **Molecular Weight:** 423.55
Batch Molecular Formula: C₂₇H₂₉N₅ **Batch Molecular Weight:** 423.55
Appearance: Tan solid **Observed mp:** 156 - 157 °C
TLC (R_f): 0.7 DCM/MeOH (9:1)
Chemical Purity: 98.9%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 76.56, H 6.90, N 16.53; Found: C 76.27, H 6.95, N 16.30
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	16.5	39.0	
	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