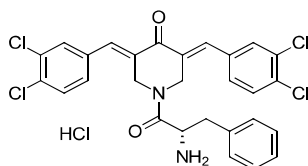




Certificate of Analysis

Axon Catalogue ID: 4476 **Batch Number:** 1
Product Name: RA-190
Alternative Name(s): N.A.
IUPAC Name: 3,5-Bis(3,4-dichlorobenzylidene)-1-(S-2-amino-3-phenyl)-piperidin-4-one hydrochloride

Structure:



Amount:

CAS number(s): 1617572-02-7 (parent), 1617495-03-0 (HCl salt (1:1))
Molecular Formula: C₂₈H₂₂Cl₄N₂O₂·HCl **Molecular Weight:** 596.76
Batch Molecular Formula: C₂₈H₂₂Cl₄N₂O₂·HCl·2H₂O **Batch Molecular Weight:** 632.79
Appearance: Yellow solid **Observed mp:** 137 - 139 °C
TLC (R_f): 0.75 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 53.15, H 4.30, N 4.43; Found: C 52.78, H 3.95, N 4.21
Storage Conditions: Desiccate 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)			Not Tested
	DMSO	40.0	63.2	
	EtOH	40.0	63.2	

Remarks: Contains 0.24 wt% of DCM, determined by NMR.

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