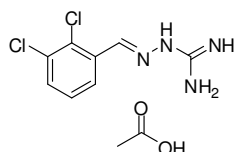




Certificate of Analysis

Axon Catalogue ID: 2983 **Batch Number:** 1
Product Name: Raphin1 acetate
Alternative Name(s): N.A.
IUPAC Name: (E)-2-(2,3-Dichlorobenzylidene)hydrazinecarboximidamide acetate

Structure:



Amount:

CAS number(s): 2022961-17-5 (parent), 2242616-04-0 (acetate (1:1))
Molecular Formula: C₈H₈Cl₂N₄.C₂H₄O₂ **Molecular Weight:** 291.13
Batch Molecular Formula: C₈H₈Cl₂N₄.C₂H₄O₂.0.25H₂O **Batch Molecular Weight:** 295.64
Appearance: White solid **Observed mp:** 213 °C
TLC (R_f): 0.35 DCM/MeOH/HCOOH (4:1:0.1)
Chemical Purity: 99.9%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 40.63, H 4.26, N 18.95; Found: C 40.66, H 4.11, N 19.19
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	29.6	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 19-08-2019

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