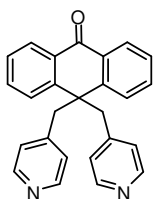




Certificate of Analysis

Axon Catalogue ID: 1987 **Batch Number:** 2
Product Name: XE 991
Alternative Name(s): N.A.
IUPAC Name: 10,10-Bis(pyridin-4-ylmethyl)anthracen-9(10H)-one

Structure:



Amount:

CAS number(s): 122955-42-4
Molecular Formula: C₂₆H₂₀N₂O **Molecular Weight:** 376.45
Batch Molecular Formula: C₂₆H₂₀N₂O **Batch Molecular Weight:** 376.45
Appearance: Off-white solid **Observed mp:** 231 - 234 °C
TLC (R_f): 0.6 DCM/MeOH (19:1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 82.95, H 5.35, N 7.44; Found: C 82.80, H 5.33, N 7.40
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	22.0	58.4	
	EtOH			Not Tested

Remarks:

QC Date: 06-12-2018

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