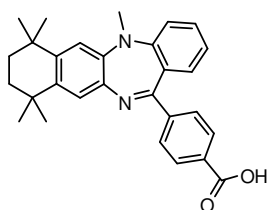


Certificate of Analysis

Axon Catalogue ID: 1242 **Batch Number:** 2
Product Name: LE 135
Alternative Name(s): N.A.
IUPAC Name: 4-(5,7,7,10,10-Pentamethyl-7,8,9,10-tetrahydro-5H-5,12-diaza-benzo[4,5]cyclohepta[1,2-b]naphthalen-13-yl)-benzoic acid

Structure:



Amount:

CAS number(s): 155877-83-1
Molecular Formula: C₂₉H₃₀N₂O₂ **Molecular Weight:** 438.56
Batch Molecular Formula: C₂₉H₃₀N₂O₂·½H₂O **Batch Molecular Weight:** 444.57
Appearance: Orange powder **Observed mp:** 284 - 287 °C
TLC (R_f): 0.3 EtOAc/Hex (1:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 78.35, H 6.95, N 6.30; Found: C 78.26, H 6.93, N 6.28
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	44.0	99.0	
	EtOH			Not Tested

Remarks:

QC Date: 22-08-2013

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