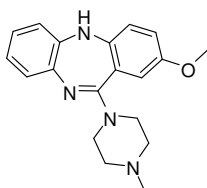




Certificate of Analysis

Axon Catalogue ID: 2851 **Batch Number:** 1
Product Name: GMC 1-161
Alternative Name(s): N.A.
IUPAC Name: 2-Methoxy-11-(4-methylpiperazin-1-yl)-5H-dibenzo[b,e][1,4]diazepine

Structure:



Amount:

CAS number(s): 95316-97-5
Molecular Formula: C₁₉H₂₂N₄O **Molecular Weight:** 322.40
Batch Molecular Formula: C₁₉H₂₂N₄O **Batch Molecular Weight:** 322.40
Appearance: Light-yellow solid **Observed mp:** 82 °C
TLC (R_f): 0.5 DCM/MeOH (4:1)
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 70.78, H 6.88, N 17.38; Found: C ND, H ND, N ND
Storage Conditions: Store 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)	16.0	49.6	
	DMSO	32.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 06-04-2018

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