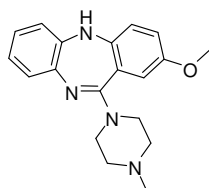




Certificate of Analysis

Axon Catalogue ID: 2851 **Batch Number:** 2
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.2.25H₂O **Batch Molecular Weight:** 362.94
Appearance: Light-yellow solid **Observed mp:** 93 °C
TLC (R_f): 0.3 DCM/MeOH (9:1)
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 62.88, H 7.36, N 15.44; Found: C 62.76, H 6.89, N 15.28
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)	19.0	52.4	
	DMSO	36.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 23-07-2018

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