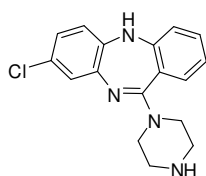




Certificate of Analysis

Axon Catalogue ID: 2846 **Batch Number:** 1
Product Name: N-Desmethylozapine
Alternative Name(s): Norclozapine; Normethylozapine; ACP-104
IUPAC Name: 8-Chloro-11-(piperazin-1-yl)-5H-dibenzo[b,e][1,4]diazepine

Structure:



Amount:

CAS number(s): 6104-71-8
Molecular Formula: C₁₇H₁₇ClN₄ **Molecular Weight:** 312.80
Batch Molecular Formula: C₁₇H₁₇ClN₄·0.5H₂O **Batch Molecular Weight:** 321.80
Appearance: Yellow solid **Observed mp:** 123 °C
TLC (R_f): 0.2 DCM/MeOH (4:1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.45, H 5.64, N 17.41; Found: C 63.79, H 5.19, N 17.17
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)	14.0	43.5	
	DMSO	32.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 13-06-2018

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