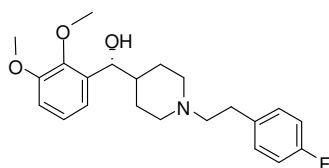




Certificate of Analysis

Axon Catalogue ID: 1104 **Batch Number:** 7
Product Name: MDL 100907
Alternative Name(s): Volinanserin; (R)-(+)-MDL 100907
IUPAC Name: (R)-(2,3-dimethoxyphenyl)(1-(4-fluorophenethyl)piperidin-4-yl)methanol

Structure:



Amount:

CAS number(s): 139290-65-6
Molecular Formula: C₂₂H₂₈FNO₃ **Molecular Weight:** 373.46
Batch Molecular Formula: C₂₂H₂₈FNO₃ **Batch Molecular Weight:** 373.46
Appearance: Off-white solid **Observed mp:** 97.8 - 98.0 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 100%
Optical Purity (ee): 99.0%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 70.75, H 7.56, N 3.75; Found: C ND, H ND, N ND
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	15.0	40.2	
	EtOH	12.0	32.1	

Remarks:

QC Date: 15-05-2018

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