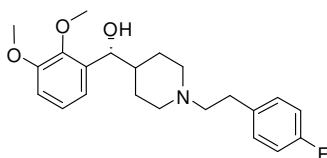




## Certificate of Analysis

**Axon Catalogue ID:** 1104 **Batch Number:** 8  
**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:** C<sub>22</sub>H<sub>28</sub>FNO<sub>3</sub> **Molecular Weight:** 373.46  
**Batch Molecular Formula:** C<sub>22</sub>H<sub>28</sub>FNO<sub>3</sub> **Batch Molecular Weight:** 373.46  
**Appearance:** White solid **Observed mp:** 116 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 98.4%  
**Optical Purity (ee):** 100%  
**<sup>1</sup>H-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 70.69, H 7.62, N 3.68  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	34.0	91.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 24-10-2019

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**