



Certificate of Analysis

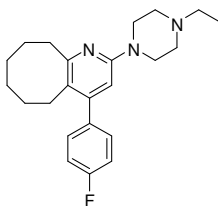
Axon Catalogue ID: 2353 **Batch Number:** 1

Product Name: Blonanserin

Alternative Name(s): AD 5423; Lonasen

IUPAC Name: 2-(4-Ethylpiperazin-1-yl)-4-(4-fluorophenyl)-5,6,7,8,9,10-hexahydrocycloocta[b]pyridine

Structure:



Amount:

CAS number(s): 132810-10-7

Molecular Formula: C₂₃H₃₀FN₃ **Molecular Weight:** 367.50

Batch Molecular Formula: C₂₃H₃₀FN₃ **Batch Molecular Weight:** 367.50

Appearance: White solid **Observed mp:** 124.0 - 126.7 °C

TLC (R_f): 0.51 DCM/MeOH (9:1)

Chemical Purity: 100%

Optical Purity (ee): N.A.

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 75.17, H 8.23, N 11.43; Found: C 75.21, H 8.37, N 11.18

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)	5.4	14.7	
	DMSO	2.7	7.3	
	EtOH			Not Tested

Remarks:

QC Date: 14-5-2021

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