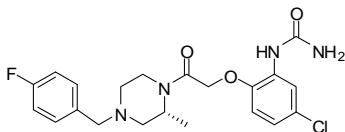




Certificate of Analysis

Axon Catalogue ID: 2082 **Batch Number:** 1
Product Name: BX 471
Alternative Name(s): N.A.
IUPAC Name: (R)-1-(5-chloro-2-(2-(4-(4-fluorobenzyl)-2-methylpiperazin-1-yl)-2-oxoethoxy)phenyl)urea

Structure:



Amount:

CAS number: 217645-70-0 **MW:** 434.89
Batch Molecular Formula: C₂₁H₂₄ClFN₄O₃·0.25H₂O **Batch MW:** 439.39
Appearance: Off-white powder **Observed mp:** 99 - 103 °C
TLC (R_f): 0.77 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): >99%
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: C, H, and N fit within 0,4% of theoretical calculation

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	35	80	Soluble
	EtOH	20	46	Soluble

Remarks: Microanalysis: Calcd. C 57.40, H 5.62, N 12.75; Found: C 57.12, H 5.57, N 12.58.

QC Date: 6/28/2013

The purity of Axon products 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 Axon Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only