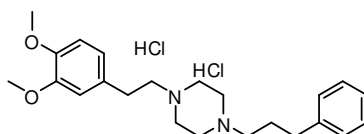




Certificate of Analysis

Axon Catalogue ID: 1767 **Batch Number:** 1
Product Name: SA 4503
Alternative Name(s): Cutamesine
IUPAC Name: 1-(3,4-Dimethoxyphenethyl)-4-(3-phenylpropyl)piperazine dihydrochloride

Structure:



Amount:

CAS number(s): 165377-43-5 (parent), 165377-44-6 (HCl (1:2))
Molecular Formula: C₂₃H₃₂N₂O₂·2HCl **Molecular Weight:** 441.43
Batch Molecular Formula: C₂₃H₃₂N₂O₂·2HCl **Batch Molecular Weight:** 441.43
Appearance: White solid **Observed mp:** 262 - 264 °C
TLC (R_f): 0.25 DCM/MeOH (98:2) (FB)
Chemical Purity: 99.1%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.58, H 7.76, N 6.35; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	38.0	86.1	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Only moderately soluble
	EtOH			Not Tested

Remarks:

QC Date: 21-05-2019

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only