



Certificate of Analysis

Axon Catalogue ID:	4095	Batch Number:	1
Product Name:	Elacestrant dihydrochloride		
Alternative Name(s):	RAD1901		
IUPAC Name:	(R)-6-(2-(Ethyl(4-(2-(ethylamino)ethyl)benzyl)amino)-4-methoxyphenyl)-5,6,7,8-tetrahydronaphthalen-2-ol dihydrochloride		
Structure:			Amount:
CAS number(s):	722533-56-4 (parent), 1349723-93-8 (HCl (1:2))		
Molecular Formula:	C30H38N2O2.2HCl	Molecular Weight:	531.56
Batch Molecular Formula:	C30H38N2O2.2HCl.0.5H2O	Batch Molecular Weight:	540.56
Appearance:	Off-white solid	Observed mp:	154 - 157 °C (decomp)
TLC (R_f):	0.5 DCM/MeOH/NH ₃ (9:1:0.1)		
Chemical Purity:	99.4%		
Optical Purity (ee):	100%		
¹H-NMR:	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 66.66, H 7.64, N 5.18; Found: C 66.40, H 7.54, N 5.03		
Storage Conditions:	Desiccate at -20 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	44.0	81.4
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	46.0	85.1
	EtOH		Not Tested
Remarks:			
QC Date:	27-11-2023		

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