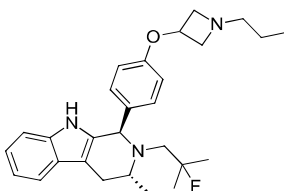




Certificate of Analysis

Axon Catalogue ID: 4306 **Batch Number:** 1
Product Name: Palazestrant
Alternative Name(s): OP1250
IUPAC Name: (1R,3R)-2-(2-Fluoro-2-methylpropyl)-3-methyl-1-(4-(1-propyl-3-azetidinyloxy)phenyl)-2,3,4,9-tetrahydro-1H- β -carboline

Structure:



Amount:

CAS number(s): 2092925-89-6
Molecular Formula: C₂₈H₃₆FN₃O **Molecular Weight:** 449.60
Batch Molecular Formula: C₂₈H₃₆FN₃O **Batch Molecular Weight:** 449.60
Appearance: Off-white solid **Observed mp:** 102 - 107 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.3%
Optical Purity (ee): 100%
Optical Rotation (Det.): [α]_D = -31.3° with c = 1 in CHCl₃
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 74.80, H 8.07, N 9.35; Found: C 74.55, H 8.03, N 9.35
Storage Conditions: Store at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	8.8	19.6	
DMSO	8.4	18.7	
EtOH	9.2	20.5	

Remarks:

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