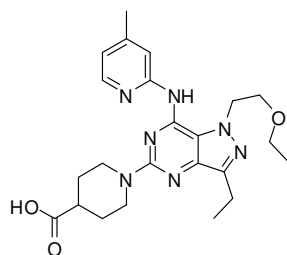




Certificate of Analysis

Axon Catalogue ID: 1709 **Batch Number:** 1
Product Name: PDE5 inhibitor 42
Alternative Name(s): N.A.
IUPAC Name: 1-(1-(2-Ethoxyethyl)-3-ethyl-7-(4-methylpyridin-2-ylamino)-1H-pyrazolo[4,3-d]pyrimidin-5-yl)piperidine-4-carboxylic acid

Structure:



Amount:

CAS number(s): 936449-28-4
Molecular Formula: C₂₃H₃₁N₇O₃ **Molecular Weight:** 453.54
Batch Molecular Formula: C₂₃H₃₁N₇O₃ **Batch Molecular Weight:** 453.54
Appearance: Yellow solid **Observed mp:** 198 - 200 °C
TLC (R_f): 0.3 DCM/AcOH (9:1)
Chemical Purity: 98.4%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.91, H 6.89, N 21.62; Found: C ND, H ND, N ND
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			Not Tested
	EtOH			Not Tested

Remarks:

QC Date: 20-12-2018

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