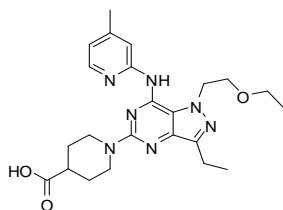




Certificate of Analysis

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: 936449-28-4
Batch Molecular Formula: C₂₃H₃₁N₇O₃ **Batch MW:** 454.53
Appearance: Yellow Solid **Observed m.p.:** 198-200°C
TLC (R_f): 0.3 9:1 D/M +1 drop AcOH
Chemical Purity: 98.4% **Wavelength for purity check:** 220 nm
Optical Purity (ee):
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Not available

Storage Conditions: Store at <4°C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not tested
	1eq. NaOH			Not tested
	1eq. HCl			Not tested
	DMSO		>100	Soluble
	EtOH			Not tested

Remarks:

Quality controller: M. Brandsma, MSc. **Date:** 12-9-2011

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