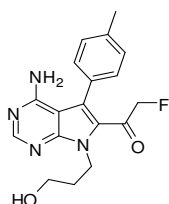




Certificate of Analysis

Axon Catalogue ID: 1848 **Batch Number:** 2
Product Name: FMK
Alternative Name(s): RSK inhibitor FMK
IUPAC Name: 1-(4-Amino-7-(3-hydroxypropyl)-5-p-tolyl-7H-pyrrolo[2,3-d]pyrimidin-6-yl)-2-fluoroethanone

Structure:



Amount:

CAS number(s): 821794-92-7
Molecular Formula: C₁₈H₁₉N₄O₂ **Molecular Weight:** 342.37
Batch Molecular Formula: C₁₈H₁₉N₄O₂ **Batch Molecular Weight:** 342.37
Appearance: Off-white solid **Observed mp:** 195 °C
TLC (R_f): 0.55 DCM/MeOH (9:1)
Chemical Purity: 98.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.15, H 5.59, N 16.36; Found: C 63.04, H 5.61, N 16.37
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	34.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 05-09-2013

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