



Certificate of Analysis

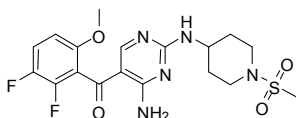
Axon Catalogue ID: 1983 **Batch Number:** 2

Product Name: R 547

Alternative Name(s): N.A.

IUPAC Name: (4-Amino-2-(1-(methanesulfonyl)piperidin-4-ylamino)pyrimidin-5-yl)(2,3-difluoro-6-methoxyphenyl)methanone

Structure:



Amount: 1000 mg

CAS number: 741713-40-6

Batch Molecular Formula: C₁₈H₂₁F₂N₅O₄S

Batch MW: 441.45

Appearance: White solid

Observed mp: 224 - 225 °C

TLC (R_f): 0.45 DCM/MeOH/NH₃ (20:1:0.1)

Chemical Purity: 98.3%

Optical Purity (ee): N.A.

¹H-NMR (300 MHz): Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 48.97 , H 4.79 , N 15.86 Found: C 48.94 , H 4.73 , N 15.82

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	44.1	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 9/1/2015

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