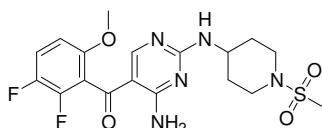




Certificate of Analysis

Axon Catalogue ID: 1983 **Batch Number:** 1
Product Name: R 547
Alternative Name(s): Ro 4584820
IUPAC Name: (4-Amino-2-(1-(methylsulfonyl)piperidin-4-ylamino)pyrimidin-5-yl)(2,3-difluoro-6-methoxyphenyl)methanone

Structure:



Amount:

CAS number(s): 741713-40-6
Molecular Formula: C₁₈H₂₁F₂N₅O₄S **Molecular Weight:** 441.45
Batch Molecular Formula: C₁₈H₂₁F₂N₅O₄S **Batch Molecular Weight:** 441.45
Appearance: White solid **Observed mp:** 226 °C
TLC (R_f): 0.46 DCM/MeOH/NH₃ (20:1:0.1)
Chemical Purity: 99.1%
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 49.05, H 4.58, N 15.87
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: 12-12-2018

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