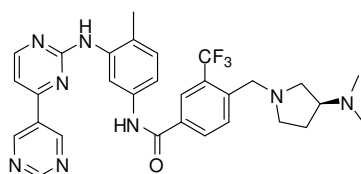




Certificate of Analysis

Axon Catalogue ID: 2121 **Batch Number:** 1
Product Name: INNO 406
Alternative Name(s): Bafetinib; NS 187
IUPAC Name: (S)-N-(3-(4,5'-Bipyrimidin-2-ylamino)-4-methylphenyl)-4-((3-(dimethylamino)pyrrolidin-1-yl)methyl)-3-(trifluoromethyl)benzamide

Structure:



Amount:

CAS number(s): 859212-16-1
Molecular Formula: C₃₀H₃₁F₃N₈O **Molecular Weight:** 576.62
Batch Molecular Formula: C₃₀H₃₁F₃N₈O.0.33H₂O **Batch Molecular Weight:** 582.56
Appearance: Off-white solid **Observed mp:** 186.9 - 187.3 °C
TLC (R_f): 0.54 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.7%
Optical Purity (ee): Optical pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 61.84, H 5.48, N 19.23; Found: C 61.80, H 5.20, N 19.23
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)	14.1	24.2	
	DMSO	28.0	48.1	
	EtOH			Not Tested

Remarks:

QC Date: 17-12-2018

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