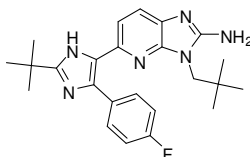




Certificate of Analysis

Axon Catalogue ID: 1895 **Batch Number:** 1
Product Name: LY 2228820
Alternative Name(s): Ralimetinib
IUPAC Name: 5-(2-tert-Butyl-5-(4-fluorophenyl)-1H-imidazol-4-yl)-3-neopentyl-3H-imidazo[4,5-b]pyridin-2-amine

Structure:



Amount:

CAS number(s): 862505-00-8
Molecular Formula: C₂₄H₂₉FN₆ **Molecular Weight:** 420.53
Batch Molecular Formula: C₂₄H₂₉FN₆·0.75H₂O **Batch Molecular Weight:** 434.04
Appearance: White solid **Observed mp:** 158 - 163 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.41, H 7.08, N 19.36; Found: C 66.42, H 6.92, N 19.56
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)			Not Tested
	DMSO	40.0	92.2	
	EtOH			Not Tested

Remarks:

QC Date: 3-10-2018

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