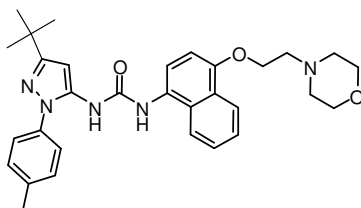


Certificate of Analysis

Axon Catalogue ID: 1358 **Batch Number:** 2A
Product Name: BIRB 796
Alternative Name(s): BIRB 0796; Doramapimod
IUPAC Name: 1-(3-tert-Butyl-1-p-tolyl-1H-pyrazol-5-yl)-3-(4-(2-morpholinoethoxy)naphthalen-1-yl)urea

Structure:



Amount:

CAS number(s): 285983-48-4
Molecular Formula: C₃₁H₃₇N₅O₃ **Molecular Weight:** 527.66
Batch Molecular Formula: C₃₁H₃₇N₅O₃·0.5H₂O **Batch Molecular Weight:** 536.66
Appearance: Off-white solid **Observed mp:** 149 °C
TLC (R_f): 0.63 EtOAc/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.38, H 7.14, N 13.05; Found: C 69.00, H 7.01, N 12.91
Storage Conditions: Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	0.0	0.0	Insoluble
	0.1N HCl (aq)	13.0	24.2	
	DMSO	50.0	93.2	
	EtOH			Not Tested

Remarks: Fine electrostatic powder; keep dry and avoid light.

QC Date: 08-10-2018

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