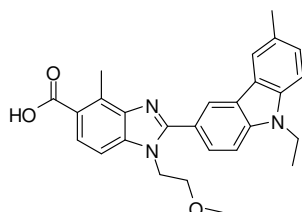




Certificate of Analysis

Axon Catalogue ID: 3073 **Batch Number:** 1
Product Name: BAY 1316957
Alternative Name(s): N.A.
IUPAC Name: 2-(9-Ethyl-6-methyl-9H-carbazol-3-yl)-1-(2-methoxyethyl)-4-methyl-1H-benzo[d]imidazole-5-carboxylic acid

Structure:



Amount:

CAS number(s): 1613264-40-6
Molecular Formula: C₂₇H₂₇N₃O₃ **Molecular Weight:** 441.52
Batch Molecular Formula: C₂₇H₂₇N₃O₃·0.75H₂O **Batch Molecular Weight:** 455.03
Appearance: White solid **Observed mp:** 230.8 - 232.4 °C
TLC (R_f): 0.7 DCM/MeOH/AcOH (9:1:0.1)
Chemical Purity: 98.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 71.27, H 6.31, N 9.23; Found: C 71.55, H 6.06, N 9.21
Storage Conditions: Store at +4 °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)			Not Tested
	DMSO	36.0	79.1	
	EtOH			Not Tested

Remarks:

QC Date: 04-03-2020

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