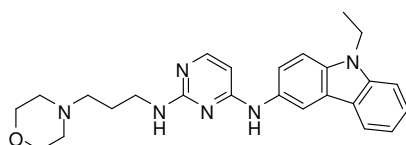




Certificate of Analysis

Axon Catalogue ID: 2351 **Batch Number:** 1
Product Name: EHop 016
Alternative Name(s): N.A.
IUPAC Name: 4-N-(9-Ethylcarbazol-3-yl)-2-N-(3-morpholin-4-ylpropyl)pyrimidine-2,4-diamine

Structure:



Amount:

CAS number(s): 1380432-32-5
Molecular Formula: C₂₅H₃₀N₆O **Molecular Weight:** 430.55
Batch Molecular Formula: C₂₅H₃₀N₆O **Batch Molecular Weight:** 430.55
Appearance: White solid **Observed mp:** 149 - 150 °C
TLC (R_f): 0.45 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 69.74, H 7.02, N 19.52; Found: C 69.51, H 7.10, N 19.47
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	43.1	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 30-01-2020

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