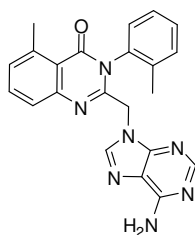




Certificate of Analysis

Axon Catalogue ID: 2168 **Batch Number:** 1
Product Name: IC 87114
Alternative Name(s): N.A.
IUPAC Name: 2-((6-Amino-9H-purin-9-yl)methyl)-5-methyl-3-o-tolylquinazolin-4(3H)-one

Structure:



Amount:

CAS number(s): 371242-69-2
Molecular Formula: C₂₂H₁₉N₇O **Molecular Weight:** 397.43
Batch Molecular Formula: C₂₂H₁₉N₇O.0.25H₂O **Batch Molecular Weight:** 401.94
Appearance: Pale-yellow solid **Observed mp:** 246 °C
TLC (R_f): 0.29 DCM/MeOH (20:1)
Chemical Purity: 98.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.19, H 4.85, N 24.56; Found: C 65.87, H 4.67, N 24.65
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	24.0	59.7	
	EtOH			Not Tested

Remarks:

QC Date: 14-01-2020

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