



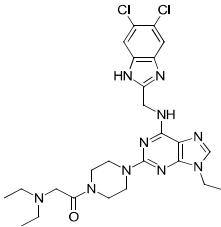
Certificate of Analysis

Axon Catalogue ID: 4281 **Batch Number:** 1

Product Name: LL-K12-18

Alternative Name(s): N.A.

IUPAC Name: 1-(4-(9a-((5,6-Dichloro-1H-1,3-benzimidazol-2-yl)methyl)-9-ethyl-2-adenineyl)-1-piperazinyl)-2-(diethylamino)-1-ethanone

Structure:  **Amount:**

CAS number(s): 3081311-94-3

Molecular Formula: C₂₅H₃₂Cl₂N₁₀O **Molecular Weight:** 559.49

Batch Molecular Formula: C₂₅H₃₂Cl₂N₁₀O.0.25H₂O **Batch Molecular Weight:** 564.00

Appearance: Beige solid **Observed mp:** 260 °C (decomp)

TLC (R_f): 0.68 DCM/MeOH/NH₃ (20:1:0.1)

Chemical Purity: 98.1%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 53.24, H 5.81, N 24.83; Found: C 53.24, H 5.69, N 25.02

Storage Conditions: Store at -20 °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)	56.4	>100 mM	
	DMSO	40.0	70.9	
	EtOH	2.9	5.1	

Remarks:

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