



Certificate of Analysis

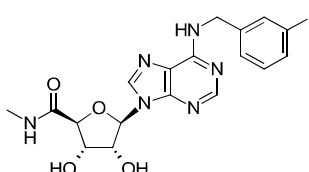
Axon Catalogue ID: 4407 **Batch Number:** 1

Product Name: IB-MECA

Alternative Name(s): Piclidenoson; CF101

IUPAC Name: N-Methyl-(2S,3S,4R,5R)-5-(9a-((3-iodophenyl)methyl)-9-adenineyl)-3,4-dihydroxytetrahydro-2-furamide

Structure:



Amount:

CAS number(s): 152918-18-8

Molecular Formula: C₁₈H₁₉N₆O₄ **Molecular Weight:** 510.29

Batch Molecular Formula: C₁₈H₁₉N₆O₄ **Batch Molecular Weight:** 510.29

Appearance: White solid **Observed mp:** 168 - 175 °C

TLC (R_f): 0.5 DCM/MeOH (9:1)

Chemical Purity: 98.8%

Optical Purity (ee): Optically pure

Optical Rotation (Det.): [α]_D = -44.1° with c = 0.5 in MeOH

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 42.37, H 3.75, N 16.47; Found: C 42.53, H 3.72, N 16.25

Storage Conditions: Desiccate at -20 °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)	0.0	0.0	Insoluble
	DMSO	51.0	>100 mM	
	EtOH	0.0	0.0	Insoluble

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