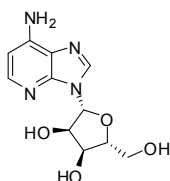




Certificate of Analysis

Axon Catalogue ID: 2434 **Batch Number:** 1
Product Name: 1-Deazaadenosine
Alternative Name(s): N.A.
IUPAC Name: (2R,3R,4S,5R)-2-(7-amino-3H-imidazo[4,5-b]pyridin-3-yl)-5-(hydroxymethyl)tetrahydrofuran-3,4-diol

Structure:



Amount:

CAS number(s): 14432-09-8
Molecular Formula: C₁₁H₁₄N₄O₄ **Molecular Weight:** 266.25
Batch Molecular Formula: C₁₁H₁₄N₄O₄ **Batch Molecular Weight:** 266.25
Appearance: Off-white solid **Observed mp:** 230 °C (decomp)
TLC (R_f): 0.2 DCM/MeOH (4:1)
Chemical Purity: 99.6%
Optical Purity (ee): Optically pure
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 49.62, H 5.30, N 21.03; Found: C 49.37, H 5.35, N 21.07
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)	16.0	60.1	
	DMSO	14.4	54.1	Warming and sonication enhance solubi
	EtOH			Not Tested

Remarks:

QC Date: 09-11-2015

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