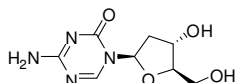




Certificate of Analysis

Axon Catalogue ID: 1590 **Batch Number:** 1
Product Name: Decitabine
Alternative Name(s): N.A.
IUPAC Name: 4-Amino-1-((2R,4S,5R)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-1,3,5-triazin-2(1H)-one

Structure:



Amount:

CAS number(s): 2353-33-5
Molecular Formula: C₈H₁₂N₄O₄ **Molecular Weight:** 228.21
Batch Molecular Formula: C₈H₁₂N₄O₄ **Batch Molecular Weight:** 228.21
Appearance: White solid **Observed mp:** 180 °C (decomp)
TLC (R_f): 0.9 DCM/MeOH/AcOH (9:1:0.01)
Chemical Purity: 99.0%
Optical Purity (ee): Optically pure
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 42.10, H 5.30, N 24.55; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	12.0	52.6	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	22.8	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 3-6-2020

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