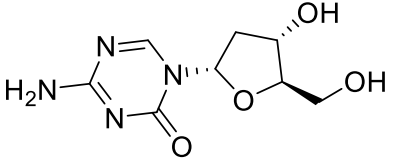




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
100250	Decitabine	YYP30915

Chemical name	
4-amino-1-((2S,4S,5R)-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-1,3,5-triazin-2(1H)-one	
Synonyms	
5-aza-dCyd; deoxyazacytidine; dezocitidine; US brand name: Dacogen. Abbreviations: 5AZA; DAC.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 100250 Name: Decitabine CAS#: 2353-33-5 Lot#YYP30915 Chemical Formula: C ₈ H ₁₂ N ₄ O ₄ Exact Mass: 228.08585 Molecular Weight: 228.20

Analysis item	Specification/Results
Appearance	White crystals
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>98%
Solubility	Soluble to 50 mM in water and to 50 mM in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in Customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE