

CERTIFICATE OF ANALYSIS

PRODUCT:	5-Azacytidine [4-Amino-1-β-D-ribofuranosyl-1,3,5-triazin-2(1 <i>H</i>)-one, Ladakamycin; U-18496; NSC-102816; 5-AzaC] C ₈ H ₁₂ N ₄ O ₅ , M.W. 244.2, CAS# [320-67-2]
PRODUCT NUMBER:	A-2172
LOT NUMBER:	E1361
APPEARANCE:	White to off-white powder
SOLUBILITY:	May be dissolved in DMSO (25 mg/ml) or water (12 mg/ml)
MELTING POINT:	226 - 232°C
PURITY (TLC):	> 98%
ANALYSIS (NMR):	Conforms
DESCRIPTION:	Specific inhibitor of DNA methyltransferase. Induces demethylation and reactivation of silenced genes. Increase stem cell reprogramming efficiency. Antitumor agent. Cell permeable.
STORAGE & HANDLING:	Keep cool and dry at -20°C. Store solutions at -20°C for up to 1 month.

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: ND