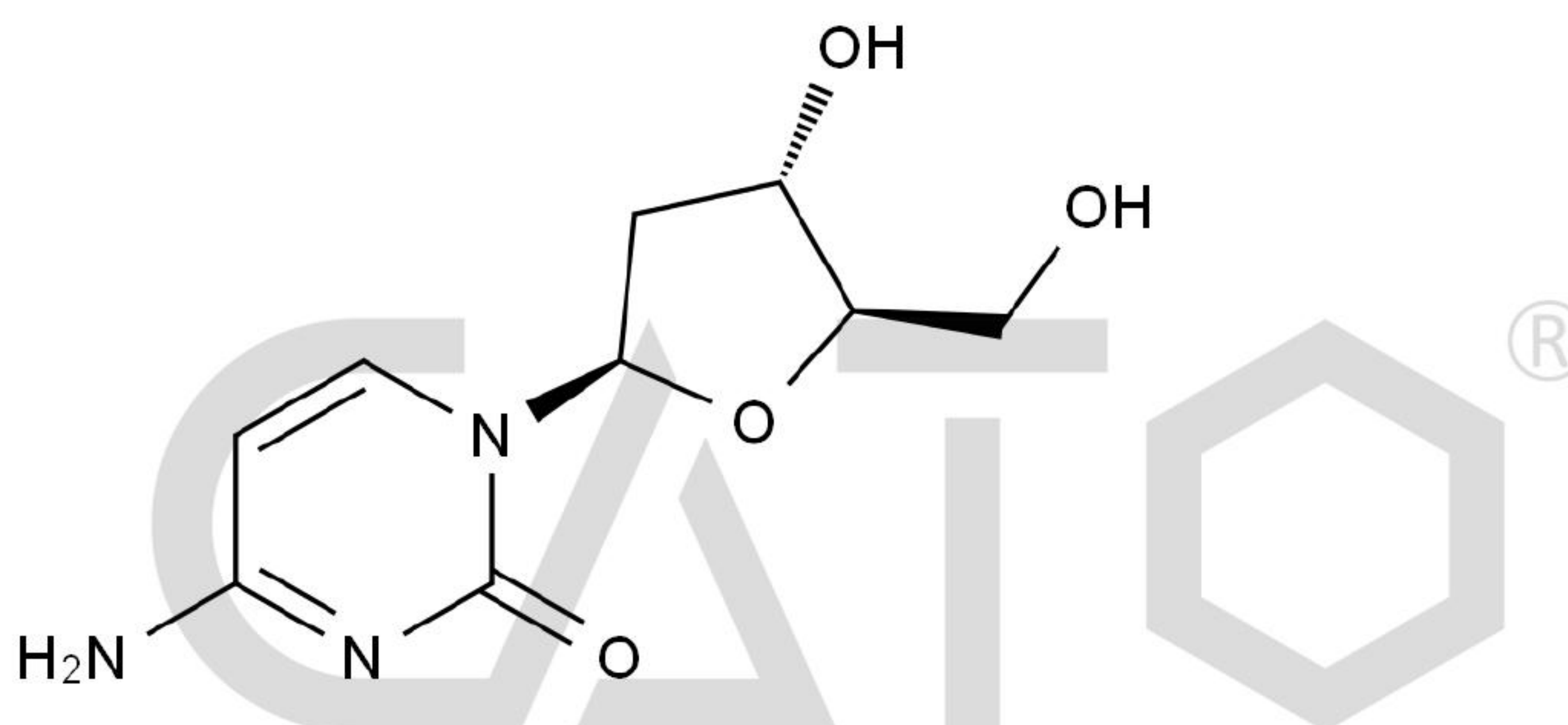


Certificate of Analysis

Reference Material & Standard

Product Name:	2'-Deoxycytidine	Catalogue Number:	CCAD301739
Synonyms:	N/A	Lot Number:	0214-RD-0047
CAS Number:	951-77-9	Expiry Date:	Mar 29, 2026
Molecular Formula:	C ₉ H ₁₃ N ₃ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	227.22		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.775%
Loss on Drying	TGA	0.0834%
Assay		99.7%
Uncertainty		±2.0%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Admin

Reviewed by: *Debia*

Approved by General Manager: *David*

Date: Mar 30, 2022

Date: Mar 30, 2022

Date: Mar 30, 2022



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