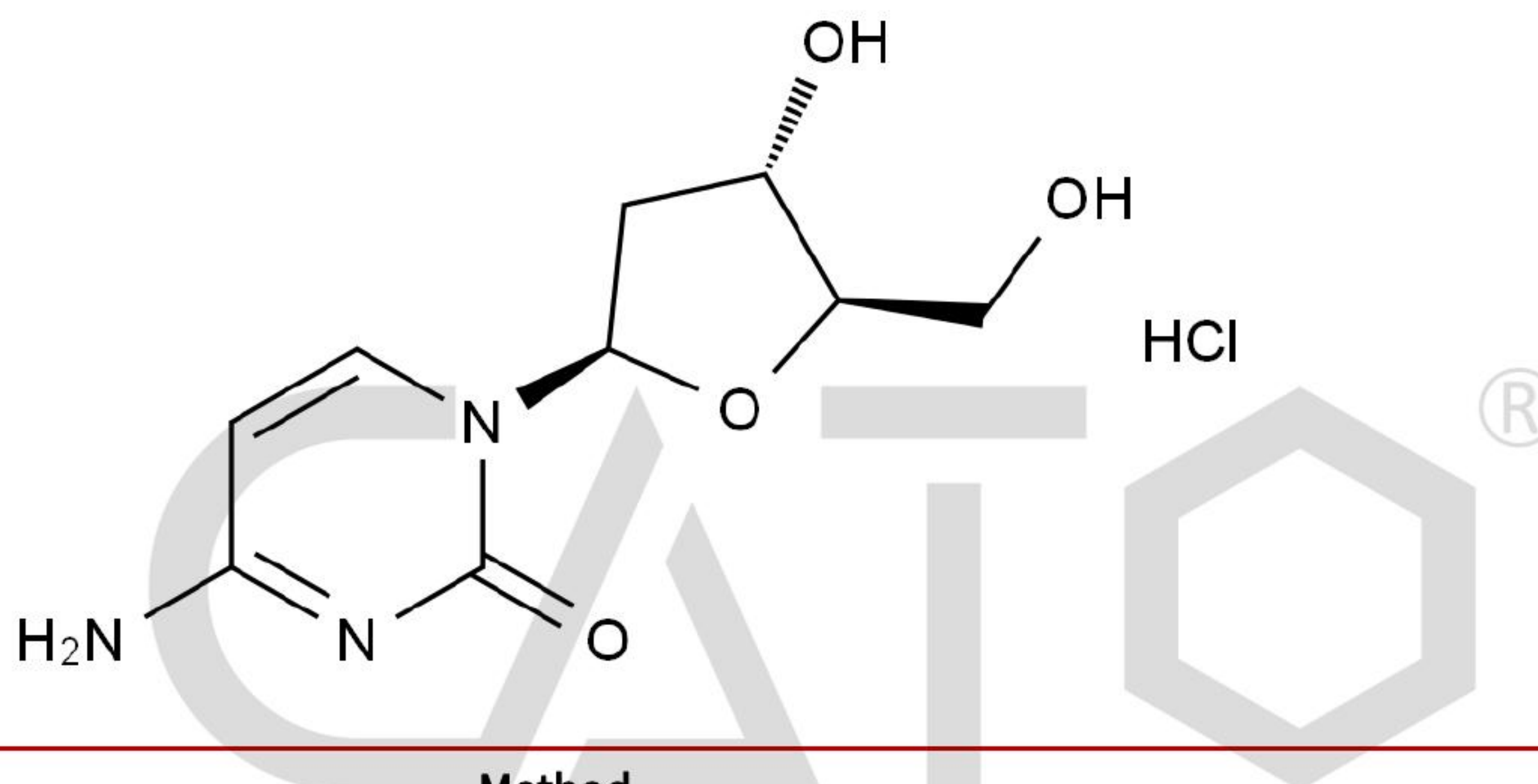


Certificate of Analysis

Reference Material & Standard

Product Name:	2'-Deoxycytidine Hydrochloride	Catalogue Number:	CCAD301743
Synonyms:	N/A	Lot Number:	1012-RF-0014
CAS Number:	3992-42-5	Expiry Date:	Oct 20, 2027
Molecular Formula:	C ₉ H ₁₃ N ₃ O ₄ HCl	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	227.22 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.9%
Assay	qNMR	99.3%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. 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:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 21, 2024

Date: Oct 21, 2024

Date: Oct 21, 2024

