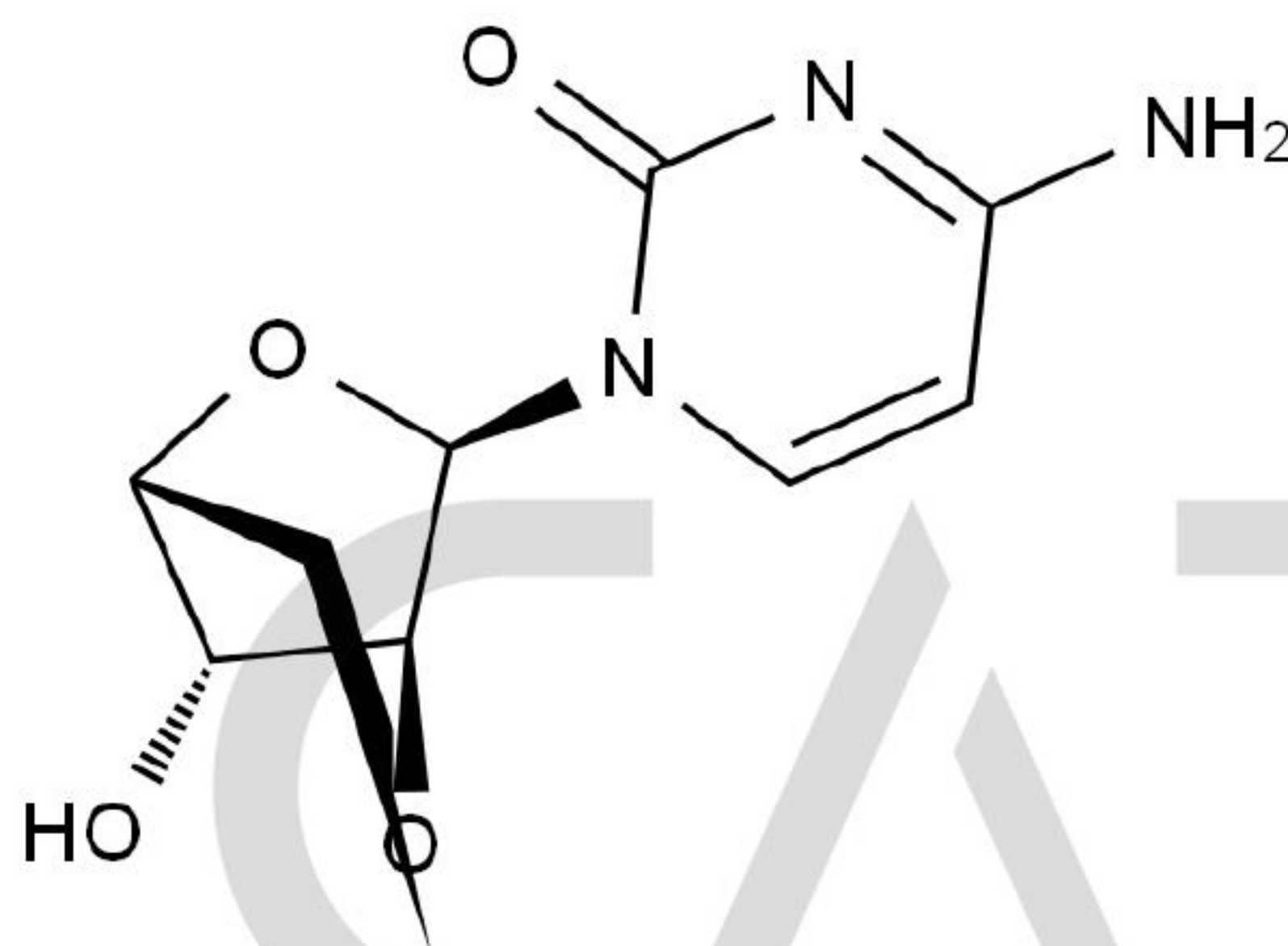


Certificate of Analysis

Reference Material & Standard

Product Name:	Cytarabine EP Impurity F	Catalogue Number:	C4X-20051
Synonyms:	N/A	Lot Number:	0326-RD-0011
CAS Number:	32830-01-6	Expiry Date:	Oct 15, 2024
Molecular Formula:	C ₉ H ₁₁ N ₃ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	225.20		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.8869%
Water Content	Karl Fischer	4.1%
Residual Solvents	NMR	0.1% methanol and 0.1% isopropanol
Specific Rotation		[α] _D 20.0(c=0.40,H ₂ O)/+222.1°
Assay		95.6%

Comment:

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

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Cady

Approved by General Manager:

David

Date: Mar 26, 2022

Date: Mar 28, 2022

Date: Mar 28, 2022

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