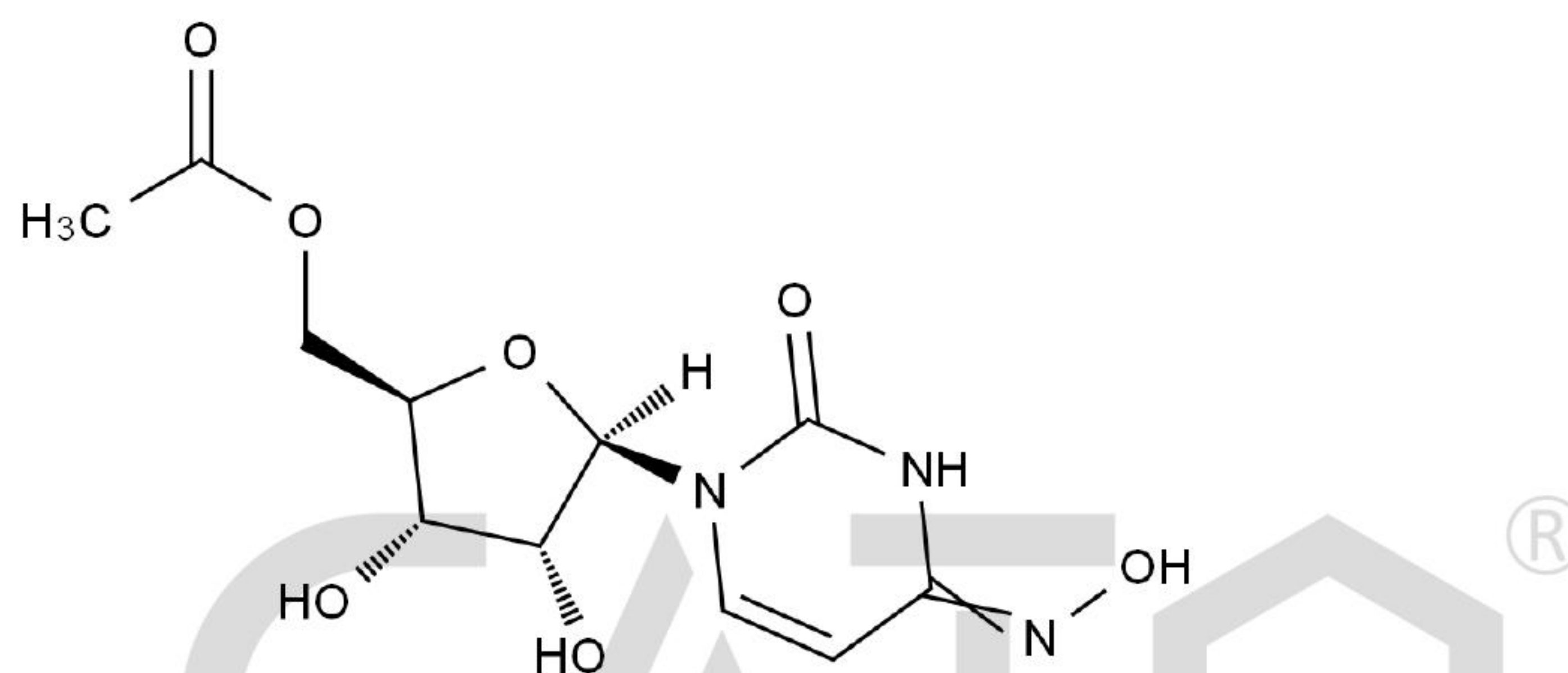


Certificate of Analysis

Reference Material

Product Name:	Molnupiravir Impurity 6	Catalogue Number:	C4X-24906
Chemical Name:	N/A	Lot Number:	0814-RE-0079
CAS Number:	N/A	Expiry Date:	Mar 16, 2025
Molecular Formula:	C ₁₁ H ₁₅ N ₃ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	301.25		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.4979%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	1.5% methanol
Optical Rotation		[α] _D ^{25.0} (c=0.60,DMSO): -28.3°
Assay		97.8%

Comment:

The calculation of the 100% 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:

Lily

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Mar 17, 2022

Date: Aug 15, 2023

Date: Aug 15, 2023

