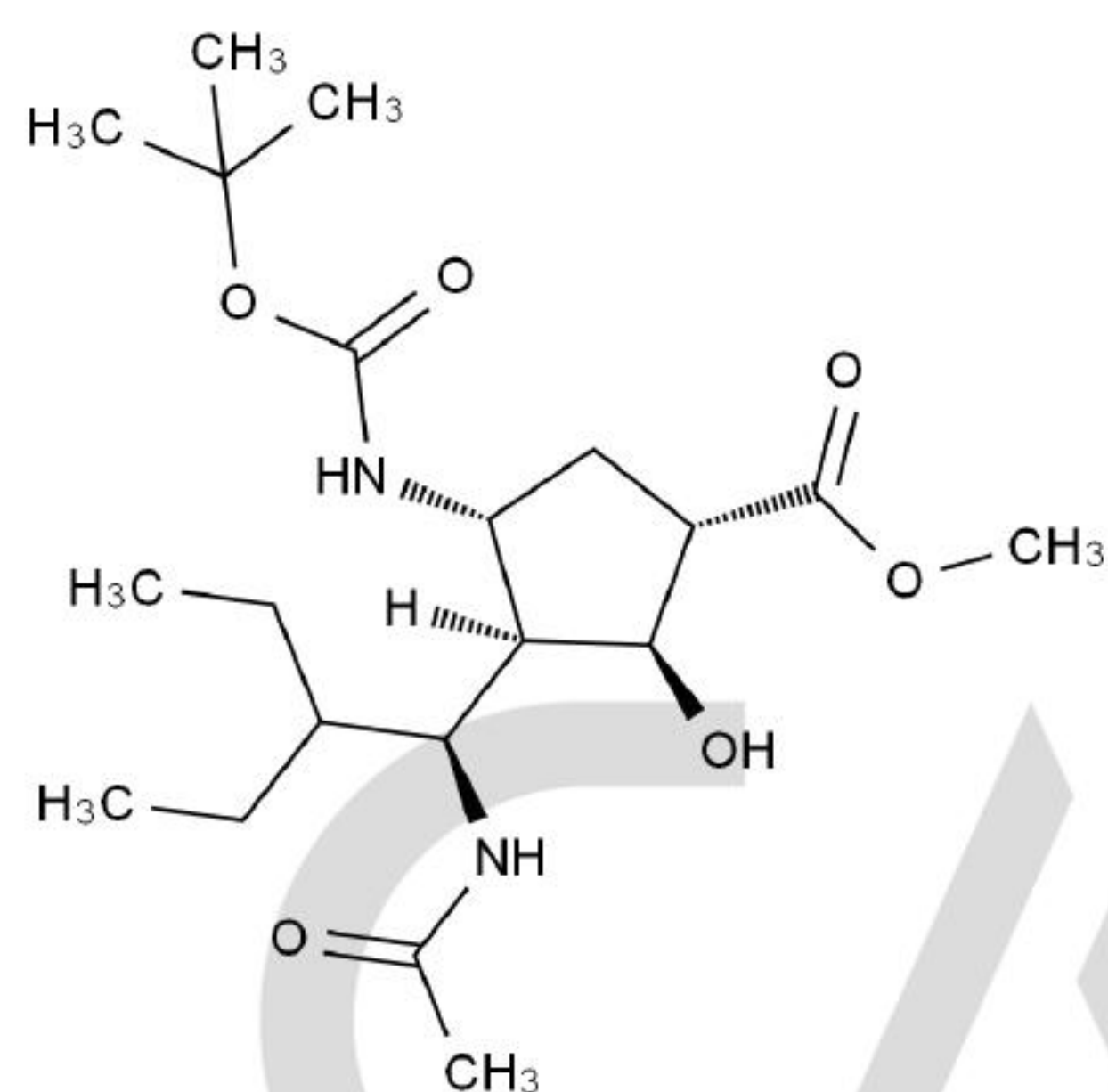


Certificate of Analysis

Reference Material & Standard

Product Name:	Peramivir Impurity 23	Catalogue Number:	C4X-183323
Synonyms:	N/A	Lot Number:	1222-RE-0010
CAS Number:	229614-05-5	Expiry Date:	Dec 22, 2026
Molecular Formula:	C20H36N2O6	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	400.51		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.919%
Water Content	Karl Fischer	0.33%
Residual Solvents	NMR	Not detected in NMR
Assay		99.6%

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:

Hin Lam

Aproved by General Manager:

David

Date: Dec 27, 2023

Date: Dec 27, 2023

Date: Dec 27, 2023

