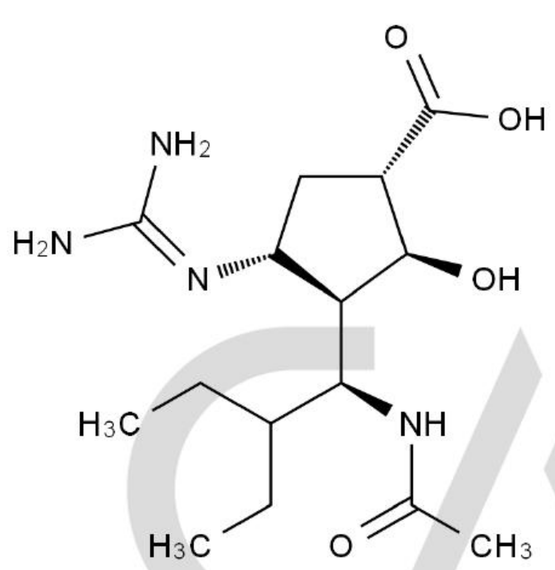
Certificate of Analysis

Reference Material & Standard

Product Name:	Peramivir	**Catalogue Number:**	CCAD302045
Synonyms:	N/A	**Lot Number:**	0906-RF-0087
CAS Number:	330600-85-6	**Expiry Date:**	Sep 11, 2028
Molecular Formula:	C15H28N4O4	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	328.41		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Loss On Drying	TGA	2.1193%
Assay		97.9%
Uncertainty		±2.0%

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Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity ELSD (%) /100%*
Loss On Drying is considered as absolute effect, ELSD purity is considered as relative effect.
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: Alice Date: Sep 12, 2024

Reviewed by: Hinlam Date: Sep 13, 2024

Approved by General Manager: David Date: Sep 13, 2024

CATO Research Chemicals Inc.