

Certificate of Analysis

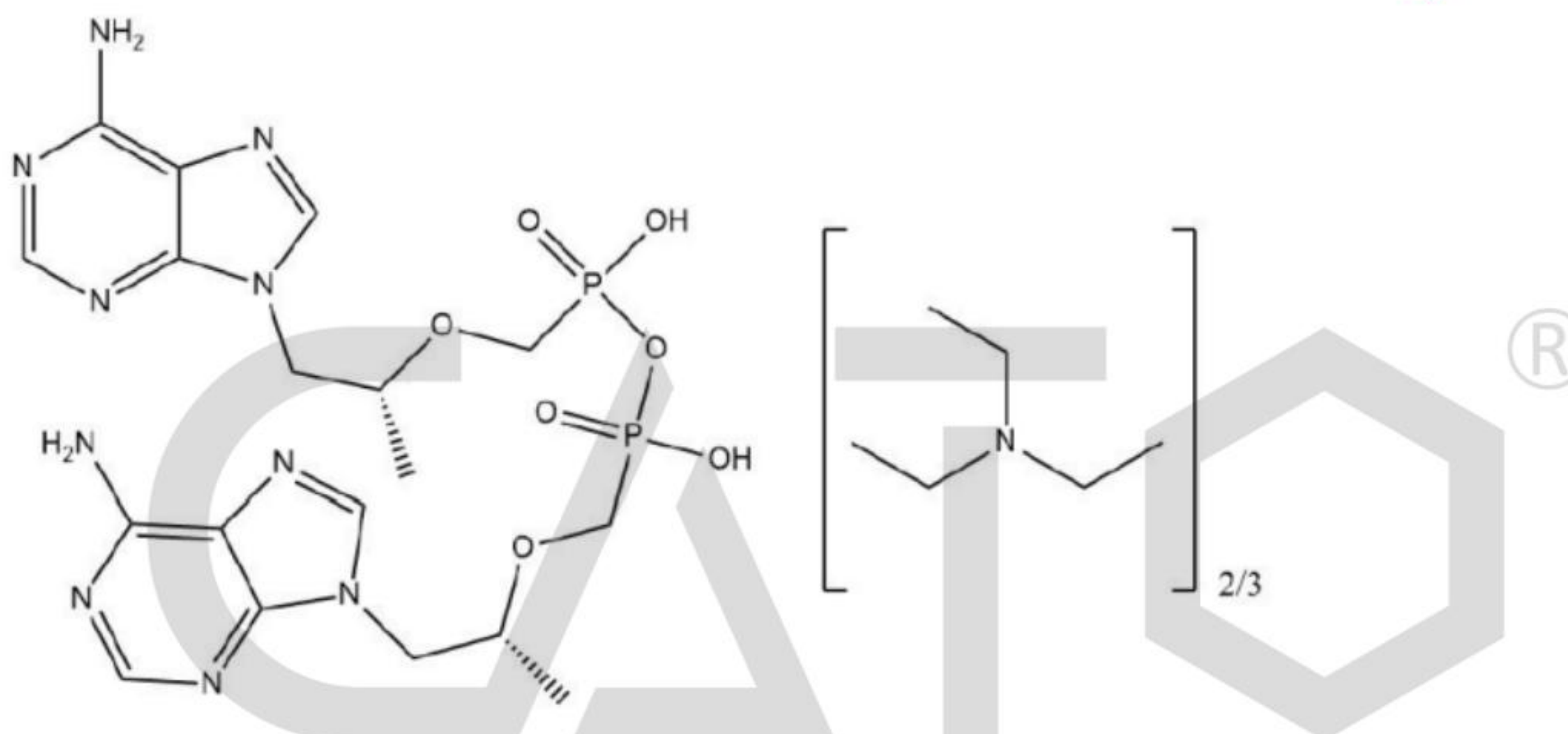
Reference Material & Standard

Product Name:	Tenofovir Alafenamide Impurity 21	Catalogue Number:	C4X-179721
Synonyms:	N/A	Lot Number:	0315-RC-0013
CAS Number:	1607007-18-0(free acid)	Expiry Date:	Mar 28, 2024
Molecular Formula:	C ₁₈ H ₂₆ N ₁₀ O ₇ P ₂ C ₆ H ₁₅ N	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	556.41 101.19	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.7720%
Water Content	Karl Fischer	0.35%
Residual Solvents	NMR	Not detected in NMR
Assay		98.4%

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:

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David

Date: Mar 29, 2021

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