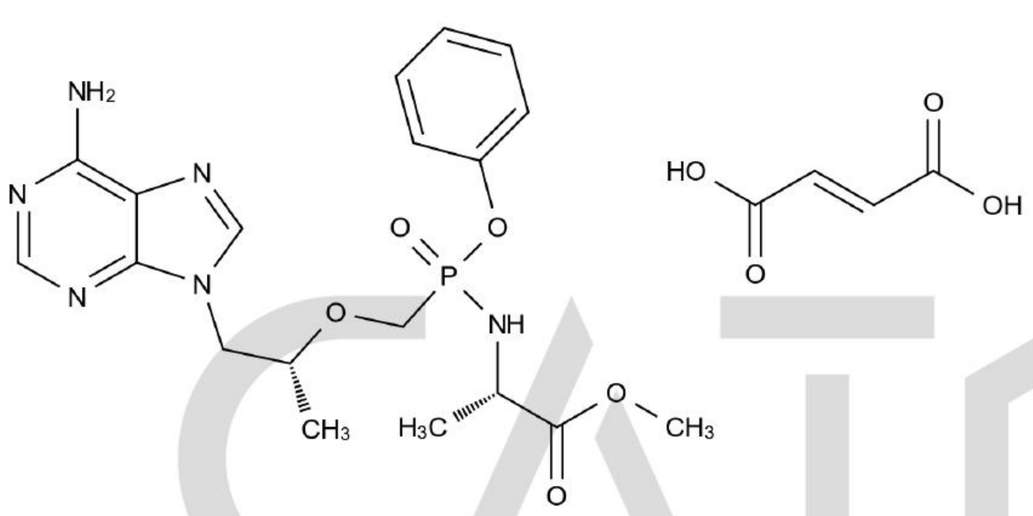
Certificate of Analysis

Reference Material & Standard

Product Name:	Tenofovir Alafenamide Impurity 16	**Catalogue Number:**	C4X-179716
Synonyms:	Methyl (((((R)-1-(6-amino-9H-purin-9-yl)propan-2-yl)oxy) methyl)(phenoxy)phosphoryl)-L-alaninate fumarate	**Lot Number:**	0714-RH-0053
CAS Number:	3143457-32-0	**Expiry Date:**	Jul 27, 2030
Molecular Formula:	$C_{19}H_{25}N_6O_5P$ $C_4H_4O_4$	**Storage:**	2°C ~ 8°C Protected from light and sealed
Molecular Weight:	448.41 116.07	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Soluble in Water and DMSO	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.824%
Assay	qNMR	97.0%

Comment:

The retest date of this product is Jul 27, 2029.

Signature:

Prepared by: Koi Date: Nov 10, 2026

Reviewed by: Alice Date: Nov 10, 2026

Approved by General Manager: David Date: Nov 10, 2026

CATO Research Chemicals Inc.