

### Certificate of Analysis

<b>Product Name</b>	Tenofovir alafenamide hemifumarate (GS-7340)
<b>Catalog No.</b>	V16064
<b>Batch No.</b>	V1606401

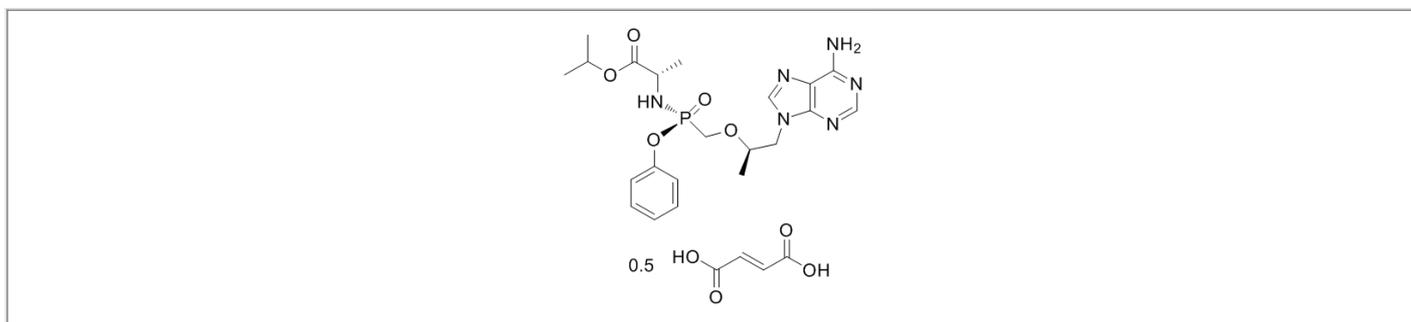
#### 1. Physical and Chemical Properties

<b>Appearance</b>	powder
<b>Molecular Formula</b>	C <sub>46</sub> H <sub>62</sub> N <sub>12</sub> O <sub>14</sub> P <sub>2</sub>
<b>Molecular Weight</b>	1069.0195
<b>Purity</b>	=99.71%
<b>CAS No.</b>	1392275-56-7
<b>Production Date</b>	
<b>Retest Date</b>	2028-11-06

#### 2. Analytical Data

Test Item	Specification	Result
<b>Identification</b>	IR: The IR absorption spectrum of the sample must be concordant with Test Standard	Conforms
<b>Identification</b>	HPLC: The retention time of the major peak in the chromatogram conforms to the characteristic peak of R.S.	Conforms
<b>Melting Point</b>	128°C -134°C	Conforms
<b>Water</b>	Not more than 1.0%	0.27%
<b>Heavy Metals</b>	Not more than 20ppm	Conforms
<b>Related Substances</b>	Any other impurity: Not more than 0.39% Total impurities: Not more than 1.0%	0.08% 0.29%
<b>Residual Solvents</b>	Meet current ICH requirements	Conforms
<b>Assay (on anhydrous basis)</b>	98.0%-102.0%	99.3%
<b>HPLC</b>	≥98%	=99.71%

#### 3. Structure



#### 4. Storage Condition

<b>Storage Condition</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
<b>Note:</b> Please store this product in a sealed and protected environment, avoid exposure to moisture.			

**Products are for research use only • Not for human or veterinary use**

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