

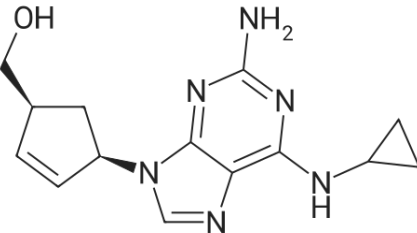
**Abacavir**

**Catalog No. HRP-4680**

This reagent is the property of the U.S. Government.

**Product Description:**

Abacavir (brand name: Ziagen®) is a carbocyclic nucleoside analogue. Intracellularly, abacavir is converted by cellular enzymes to carbovir triphosphate, an analogue of deoxyguanosine-5'-triphosphate. Carbovir triphosphate inhibits the activity of human immunodeficiency virus type 1 (HIV-1) reverse transcriptase both by competing with natural substrate dGTP and by its incorporation into viral DNA.

<b>CAS Number</b>	136470-78-5
<b>Chemical Name</b>	((1S,4R)-4-(2-Amino-6-(cyclopropylamino)-9H-purin-9-yl) cyclopent-2-en-1-yl) methanol
<b>Formula</b>	C <sub>14</sub> H <sub>18</sub> N <sub>6</sub> O
<b>Molecular Weight</b>	286.33
<b>Structure</b>	

**Lot: 70072706**

**Receipt Date: 21NOV2024**

All information below was provided on 12OCT2023 by Ambeed, Inc. for the bulk material (Ambeed lot A310646-HA7), which has a retest date of 30MAR2026.

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Light-red solid	Light-red solid
<b>Content per Vial</b>	20 mg ± 0.3 mg	20 mg ± 0.3 mg
<b>Water Content (Karl Fischer titration)</b>	Report results	0.50%
<b>Specific Rotation [α]<sub>20</sub>/D</b>	Report results	-57.0719° (C=0.5, MeOH)
<b>NMR Analysis</b>	Spectrum consistent with structure	Spectrum consistent with structure
<b>Purity (NMR)</b>	≥ 98%	98%

/Kenneth R. Crawford/

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08 AUG 2025

Lead Technical Writer or designee, ATCC Federal Solutions

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**HIV REAGENT  
PROGRAM**

