



CERTIFICATE OF ANALYSIS

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1. Identification

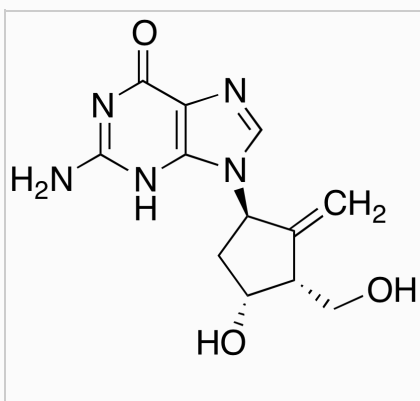
Catalogue Number: E558935

CAS Number: 1367369-76-3

Product: (1R,3R,4R)-Entecavir

Synonym: 2-Amino-1,9-dihydro-9-[(1R,3R,4R)-4-hydroxy-3-(hydroxymethyl)-2-methylenecyclopentyl]-6H-purin-6-one; Entecavir Impurity ETY-2;

Structure:



Molecular Formula:

C₁₂H₁₅N₅O₃

Molecular weight:

277.28

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Very Slightly, Heated, Sonicated)

Lot Number: 3-TKA-43-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-111.7° (c = 0.1, Methanol)
HPLC Purity	>95%	98.19%

Additional Information: NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Philip Chan	Xhoana Gjergji	My Nguyen	8/12/2019	8/10/2026