



CERTIFICATE OF ANALYSIS

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1. Identification

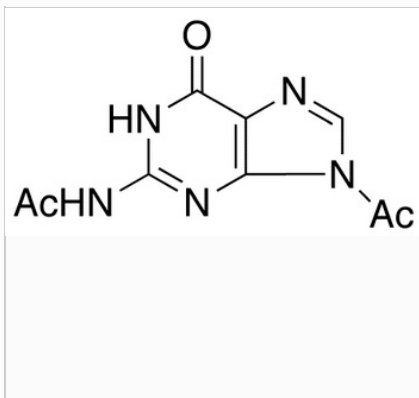
Catalogue Number: D335000

CAS Number: 3056-33-5

Product: N2,9-Diacetylguanine

Synonym: N-(9-Acetyl-6,9-dihydro-6-oxo-1H-purin-2-yl)acetamide; 2,9-Diacetylguanine; Acyclovir Diacetylguanine Impurity; Aciclovir EP Impurity L

Structure:



Molecular Formula:

C₉H₉N₅O₃

Molecular weight:

235.2

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
DMSO (Slightly), Methanol
(Slightly)

Lot Number: 22-ZEA-63-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
FT-IR	Conforms to Structure	Conforms
Appearance	White to Light Beige Solid	White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.61% (260 nm)
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 45.75, %H: 3.74, %N: 29.60
LC-MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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
Henry Tieu	Toni Rantanen	Chanell Chu	2/9/2022	2/7/2026