



CERTIFICATE OF ANALYSIS

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1. Identification

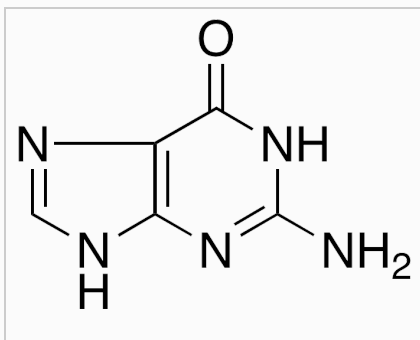
Catalogue Number: G836000

CAS Number: 73-40-5

Product: Guanine

Synonym: 2-Amino-1,9-dihydro-6H-purin-6-one; 2-Amino-6-hydroxy-1H-purine; 2-Amino-6-hydroxypurine; 2-Aminohypoxanthine; 9H-Guanine; 2-Amino-hypoxanthine; Acyclovir Impurity B; Acyclovir Impurity B, Acyclovir EP RRT - 0.4

Structure:



Molecular Formula:

C₅H₅N₅O

Molecular weight:

151.13

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly)

Lot Number: 5-SCC-3-1

Purity: 98%

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

Storage Condition: 4°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
Elemental Analysis	Conforms	%C: 39.58, %H: 2.89, %N: 45.50
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.77% (250 nm)

Additional Information: Elemental Analysis: (Theoretical) %C: 39.74, %H: 3.33, %N: 46.34

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
Henry Tieu	Toni Rantanen	My Nguyen	8/7/2020	8/5/2027