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CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2022

Re-test Date: Jun 2025

Product Name: Aciclovir EP Impurity K

Identification:

Chemical Name: 2,2'-(Methylenediazanediyl)bis[9-[(2-hydroxyethoxy)methyl]-1,9-dihydro-6H-purin-6-one] (as per EP)

Synonyms : Valaciclovir EP Impurity L ;
Acyclovir N-Methylene Dimer

CAS Number : 1797131-64-6

CAT Number : CP-A8011

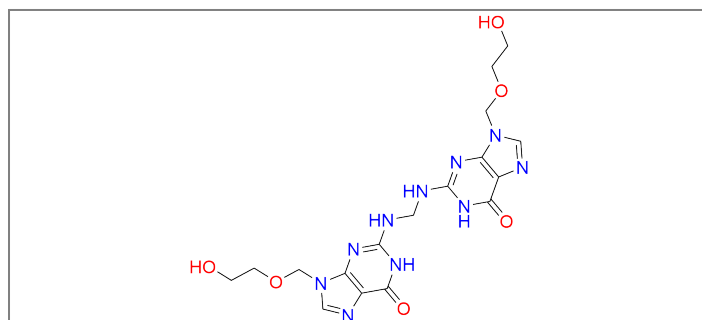
Molecular Formula : C₁₇H₂₂N₁₀O₆

Molecular Weight : 462.42

Batch Number : CHEM-ACI-K

Storage Condition : Tightly closed, Inert atmosphere at -20° C

Shipping condition : At low temperature with dry ice and ice pack gel



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.20%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	1.046%
8)	Potency by TGA	95.15%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By



Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.