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CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2022

Re-test Date: Aug 2025

Product Name: Aciclovir EP Impurity J

Identification:

Chemical Name: 9,9'-[Ethane-1,2-diylbis(oxyethylene)]bis(2-amino-1,9-dihydro-6H-purin-6-one) (as per EP)

Synonyms : O-[(Guanin-9-yl)methyl]
Acyclovir

CAS Number : 166762-90-9

CAT Number : CP-A8010

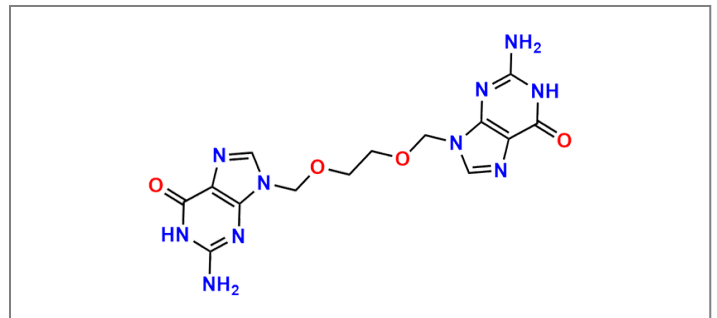
Molecular Formula : C₁₄H₁₆N₁₀O₄

Molecular Weight : 388.34

Batch Number : CHEM-ACY-J

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

| Sr. No. | Test | Result |
|---------|--------------------|--------------------------|
| 1) | Description | Off White Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 97.94% |
| 5) | H1NMR | Confirm to structure |
| 6) | 13CNMR | Confirm to structure |
| 7) | Weight loss by TGA | 3.4% |
| 8) | Potency by TGA | 94.54% |



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.