



# Certificate of Analysis

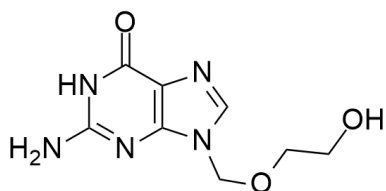
## ASEAN Reference Substance (ARS)

Issued by ASEAN Reference Substances Working Group (ARSWG)

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### ACYCLOVIR



### Control No. T 222121

CAS No. : 59277-89-3  
Molecular Formula : C<sub>8</sub>H<sub>11</sub>N<sub>5</sub>O<sub>3</sub>  
Molecular Weight : 225.20

Description	: A White, crystalline powder
Identification	
Infrared absorption	: Concordant with the reference spectrum of Acyclovir USPRS
HPLC	: The retention time of the major peak in the chromatogram of the Assay preparation corresponds to that of the standard preparation, as obtained in the Assay.
Limit for guanine	: Not more than 0.7% (HPLC method)
Water	: 5.51% (Karl Fischer method)
Assay	: 99.72% of C <sub>8</sub> H <sub>11</sub> N <sub>5</sub> O <sub>3</sub> , calculated on the anhydrous basis, determined by HPLC method, compared with USPRS
Intended use	: For HPLC, chemical assay and identification
Direction for use	: Do not dry before use
Storage	: Keep container tightly closed and protected from light, preferably at the temperature 2-8°C

Date of Adoption : 27 December 2022

Next Retest Date : 27 December 2025