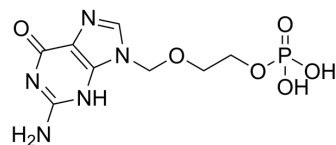


Acyclovir monophosphate

Cat. No.:	HY-17422B
CAS No.:	66341-16-0
Molecular Formula:	C ₈ H ₁₂ N ₅ O ₆ P
Molecular Weight:	305.18
Target:	HSV; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Acyclovir monophosphate is a potent anti-herpes simplex virus (HSV) agent. Acyclovir monophosphate blocks DNA synthesis through the inhibition of the viral DNA polymerase and terminates the chain elongation of the viral DNA. Acyclovir monophosphate shows antitumor activity^{[1][2]}.

REFERENCES

- [1]. Yao J, et al. Turning an antiviral into an anticancer drug: nanoparticle delivery of acyclovir monophosphate. *J Control Release*. 2013 Sep 28;170(3):414-20.
- [2]. Elion GB, et al. Mechanism of action and selectivity of acyclovir. *Am J Med*. 1982 Jul 20;73(1A):7-13.

Caution: Product has not been fully validated for medical applications. For research use only.

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