



LKT Laboratories, Inc.

Acyclovir

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Product Information

Product ID A1096

CAS No. 59277-89-3

Chemical Name Acycloguanosine; Vipral; Zovirax

Synonym

Formula C₈H₁₁N₅O₃

Formula Wt. 225.20

Melting Point 256.5-257° C

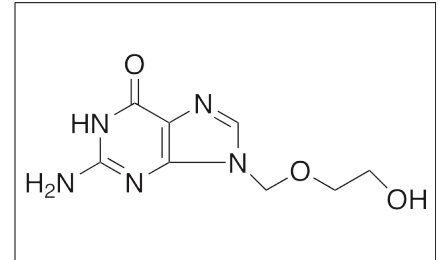
Purity ≥98%

Solubility Slightly soluble in water (0.7 mg/mL). Soluble in 1 M HCl (50 mg/mL), DMSO (7 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Acyclovir is a guanosine nucleoside analog that exhibits antiviral activity. Acyclovir is clinically used to treat infections of the herpes simplex virus; it inhibits viral DNA polymerase and D-amino acid oxidase.



Bulk quantities available upon request

Product ID	Size
A1096	50 mg
A1096	100 mg
A1096	500 mg

References James SH, Prichard MN. Current and future therapies for herpes simplex virus infections: mechanism of action and drug resistance. *Curr Opin Virol.* 2014 Jul 15;8C:54-61. PMID: 25036916.

Katane M, Matsuda S, Saitoh Y, et al. The antiviral drug acyclovir is a slow-binding inhibitor of (D)-amino acid oxidase. *Biochemistry.* 2013 Aug 20;52(33):5665-74. PMID: 23859606.

Elion GB. Mechanism of action and selectivity of acyclovir. *Am J Med.* 1982 Jul 20;73(1A):7-13. PMID: 6285736.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.