



LKT Laboratories, Inc.

Adefovir

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Product Information

Product ID A1217

CAS No. 106941-25-7

Chemical Name

Synonym

Formula $C_8H_{12}N_5O_4P$

Formula Wt. 273.19

Melting Point

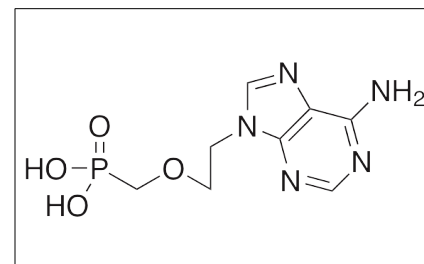
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Adefovir is an antiviral prodrug that displays immunomodulatory activity. Adefovir is an acyclonucleotide analog that inhibits viral DNA polymerase, acting as a DNA chain terminator. Adefovir is primarily used to treat hepatitis B infection, but also displays activity against retroviruses. Adefovir decreases levels of Treg cells and increases levels of IL-4, IL-2, TNF- α , and IFN- γ . Additionally, this compound may show anti-arthritis activity as well, inhibiting production of NO and expression of RANTES and acting both as a prophylactic or a rescue treatment in animal models of adjuvant-induced arthritis.



Bulk quantities available upon request

Product ID	Size
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A1217	10 mg
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A1217	50 mg
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A1217	250 mg
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References Jiang Y, Li W, Yu L, et al. Enhancing the antihepatitis B virus immune response by adefovir dipivoxil and entecavir therapies. Cell Mol Immunol. 2011 Jan;8(1):75-82. PMID: 20921939

Rodriguez-Frias F, Jardi R, Schaper M, et al. Adefovir for chronic hepatitis B treatment: identification of virological markers linked to therapy response. Antivir Ther. 2008;13(8):991-9. PMID: 19195324.

Zidek Z, Franková D, Holý A. Chemokines, nitric oxide and antiarthritic effects of 9-(2-phosphonomethoxyethyl)adenine (Adefovir). Eur J Pharmacol. 1999 Jul 2;376(1-2):91-100. PMID: 10440094.

Neyts J, De Clercq E. Mechanism of action of acyclic nucleoside phosphonates against herpes virus replication. Biochem Pharmacol. 1994 Jan 13;47(1):39-41. PMID: 8311844.

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