



LKT Laboratories, Inc.

Vidarabine Monophosphate

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID V3213

CAS No. 29984-33-6

Chemical Name

Synonym

Formula $C_{10}H_{14}N_5O_7P$

Formula Wt. 347.22

Melting Point

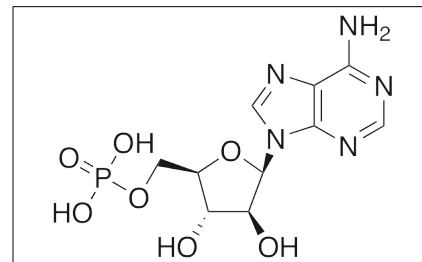
Purity $\geq 98.0\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Vidarabine is a long-acting antiviral originally found in the marine sponge *Tethya crypta*. Vidarabine is an adenosine analog in which the D-ribose constituent is replaced by D-arabinose, preventing formation of phosphodiester bridges upon incorporation into DNA. This compound is a substrate for and inhibitor of viral DNA polymerase and may also inhibit ribonucleotide reductase. Vidarabine is used to treat subjects with severe chronic Epstein-Barr virus, herpes simplex virus, or human papilloma virus, as well as immunocompromised patients with adenovirus-induced hemorrhagic cystitis.



Bulk quantities available upon request

Product ID	Size
------------	------

V3213	10 mg
-------	-------

V3213	100 mg
-------	--------

V3213	500 mg
-------	--------

V3213	1 g
-------	-----

References Whitley RJ. The use of antiviral drugs during the neonatal period. Clin Perinatol. 2012 Mar;39(1):69-81. PMID: 22341538.

Wilhelmus KR. Antiviral treatment and other therapeutic interventions for herpes simplex virus epithelial keratitis. Cochrane Database Syst Rev. 2010 Dec 8;(12):CD002898. PMID: 21154352.

Sagar S, Kaur M, Minneman KP. Antiviral lead compounds from marine sponges. Mar Drugs. 2010 Oct 11;8(10):2619-38. PMID: 21116410.

Kurosaki K, Miwa N, Yoshida Y, et al. Therapeutic basis of vidarabine on adenovirus-induced haemorrhagic cystitis. Antivir Chem Chemother. 2004 Sep;15(5):281-5. PMID: 15535050.

Niwa K, Tagami K, Lian Z, et al. Topical vidarabine or 5-fluorouracil treatment against persistent HPV in genital (pre)cancerous lesions. Oncol Rep. 2003 Sep-Oct;10(5):1437-41. PMID: 12883720.

Kimura H, Morita M, Tsuge I, et al. Vidarabine therapy for severe chronic active Epstein-Barr virus infection. J Pediatr Hematol Oncol. 2001 Jun-Jul;23(5):294-9. PMID: 11464986.

Nimit Y, Law J, Daly JW. Binding of 2',5'-dideoxyadenosine to brain membranes. Comparison to P-site inhibition of adenylate cyclase. Biochem Pharmacol. 1982 Oct 15;31(20):3279-87. PMID: 6983353.

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