



LKT Laboratories, Inc.

## Vidarabine

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### Product Information

**Product ID** V3212

**CAS No.** 5536-17-4

**Chemical Name** 9-β-D-Aribinofuranosyl-9H-purine-6-amine monohydrate

**Synonym** Arabinosyladenine, Adenine Arabinoside, Spongoadenosine, Ara-A, Arasena-A, Vira-A

**Formula** C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub>

**Formula Wt.** 267.24

**Melting Point** 257-257.5°C

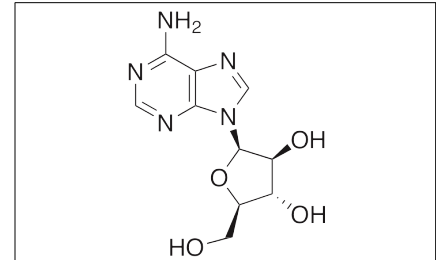
**Purity** ≥98%

**Solubility**

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Vidarabine is a long-acting antiviral originally found in the marine sponge *Tethyra 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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
V3212	100 mg	\$52.50
V3212	500 mg	\$134.80
V3212	1 g	\$187.30

**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.