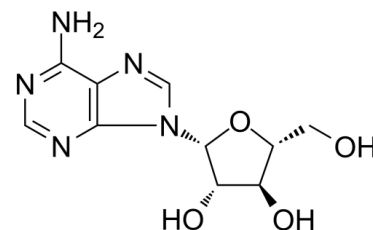


Data Sheet

Product Name:	Vidarabine
Cat. No.:	CS-2267
CAS No.:	5536-17-4
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₄
Molecular Weight:	267.24
Target:	HSV; Nucleoside Antimetabolite/Analog
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Solubility:	H ₂ O : < 0.1 mg/mL (insoluble); DMSO : 50 mg/mL (187.10 mM); Need ultrasonic)



BIOLOGICAL ACTIVITY:

Vidarabine (Ara-A) an antiviral drug which is active against herpes simplex and varicella zoster viruses. IC₅₀ & Target: DNA/RNA Synthesis^[1]. **In Vitro:** Vidarabine (Ara-A) is a nucleoside antibiotic isolated from *Streptomyces antibioticus*. It has some antineoplastic properties and has broad spectrum activity against DNA viruses in cell cultures and significant antiviral activity against infections caused by a variety of viruses such as the herpes viruses, the vaccinia VIRUS and varicella zoster virus^[1].

References:

[1]. Whitley, R., et al., Vidarabine: a preliminary review of its pharmacological properties and therapeutic use. *Drugs*, 1980. 20(4): p. 267-82.

CAIndexNames:

9H-Purin-6-amine, 9-β-D-arabinofuranosyl-

SMILES:

O[C@@H]([C@@H]1O)[C@@H](O[C@@H]1CO)N2C(N=CN=C3N)=C3N=C2

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

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