

# Adenine 9-β-D-arabinofuranoside (Vidarabine) PRODUCT DATA SHEET

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<b>Product Name:</b>	Adenine 9-β-D-arabinofuranoside (Vidarabine)
<b>Product Number:</b>	A091
<b>CAS Number:</b>	5536-17-4
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	267.24
<b>Form:</b>	Powder
<b>Appearance:</b>	White crystalline powder
<b>pH:</b>	6.0 - 7.0
<b>Optical Rotation:</b>	-56.0° - -65.0°
<b>Storage Conditions:</b>	-20°C
<b>Description:</b>	Adenine 9-β-D-arabinofuranoside (Vidarabine) is a purine nucleoside with anti-viral activity against some DNA viruses including herpesviruses and varicella zoster viruses.
<b>Mechanism of Action:</b>	Adenine 9-β-D-arabinofuranoside (Vidarabine) inhibits DNA synthesis in DNA viruses by becoming incorporated into viral DNA and ultimately producing a faulty DNA sequence.
<b>Spectrum:</b>	Adenine 9-β-D-arabinofuranoside is active against poxviruses, herpesviruses, rhabdoviruses, and hepadnaviruses.
<b>References:</b>	Pollard, R. B. "Effect of Vidarabine on Chronic Hepatitis B Virus Infection." JAMA: The Journal of the American Medical Association 239.16 (1978): 1648-650.