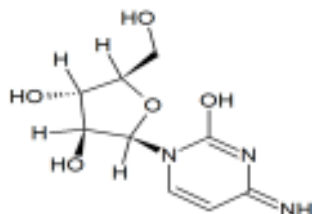


# Cytarabine

**ALTERNATE NAME:** NSC 287459  
4-amino-1-β-D-arabinofuranosyl-2(1H)-pyrimidinone  
1-β-D-Arabinofuranosylcytosine  
NSC 63878  
U-19920A

**CATALOG #:** B2661-100 100 mg  
B2661-500 500 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>9</sub>H<sub>13</sub>N<sub>3</sub>O<sub>5</sub>

**MOLECULAR WEIGHT:** 243.22

**CAS NUMBER:** 147-94-4

**APPEARANCE:** White solid

**PURITY:** ≥95%

**SOLUBILITY:** ~40 mg/ml Water

**DESCRIPTION:** Cytarabine is a cytosine analog that acts as a potent inhibitor of eukaryotic cellular and viral replicative DNA synthesis. It is triphosphorylated in vivo to produce ara-CTP, a competitive inhibitor of DNA polymerases α and β (K<sub>i</sub>s = 4 and 32 μM, respectively). Cytarabine is effective in the treatment of leukemias. It can also have antiviral actions on certain types of viruses.

**STORAGE TEMPERATURE:** -20°C. Protect from moisture

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

6-Mercaptopurine (monohydrate) (B2039)  
Fludarabine Phosphate (1763)  
Doxifluridine (B2650)  
Paclitaxel (1567)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*