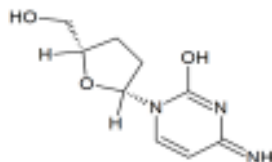


# Zalcitabine

**ALTERNATE NAME:** 2',3'-Dideoxycytidine  
ddC  
Hivid  
NSC-606170  
Ro 24-2027/000

**CATALOG #:** B2796-50 50 mg  
B2796-250 250 mg

**STRUCTURE:**



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

**MOLECULAR WEIGHT:** 211.22

**CAS NUMBER:** 7481-89-2

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98%

**SOLUBILITY:** ~0.2 mg/ml DMSO

**DESCRIPTION:** Zalcitabine is an antiviral pyrimidine nucleoside analog effective against HIV replication. In cells, it is phosphorylated to the active triphosphate form, ddCTP, which acts as a substrate for HIV reverse transcriptase (K<sub>i</sub> = 51 nM). It incorporates into viral DNA where it terminates chain elongation when the missing hydroxyl group is encountered

**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:**

Cabotegravir (B2535)  
Glecaprevir (B2347)  
Oseltamivir Phosphate (B1885)  
Pibrentasvir (B2168)

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