

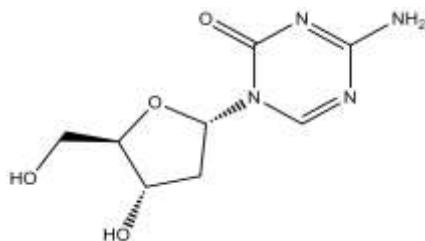
## 5-aza-2'-deoxycytidine

**ALTERNATE NAME:** 4-amino-1-(2-deoxy-b-D-erythro-pentofuranosyl)-1,3,5-triazin-2(1*H*)-one; Decitabine

**CATALOG #:** 1754-10, 50

**AMOUNT:** 10 mg, 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>8</sub>H<sub>12</sub>N<sub>4</sub>O<sub>4</sub>

**MOLECULAR WEIGHT:** 228.08

**CAS NUMBER:** 2353-33-5

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

**SOLUBILITY:** DMSO (25 mg/ml), 50% acetic acid (25 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C

**DESCRIPTION:** An epigenetic modifier. Decitabine is an analogue of the nucleoside 2'-deoxycytidine. It is believed to exert its antineoplastic effects after phosphorylation and direct incorporation into DNA and inhibition of DNA methyltransferase, causing hypomethylation of DNA and cellular differentiation or apoptosis. DNA hypomethylation is achieved at concentrations below those required to significantly inhibit DNA synthesis, which may promote restoration of function to genes associated with control of cellular differentiation and proliferation.

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

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

**RELATED PRODUCTS:**

- BIX 01294 (Cat. No. 1678-5, 25)
- RG 108 (Cat. No. 1679-10, 30)
- Trichostatin A (Cat. No. 1606-1)