



[Go to Product page](#)

Datasheet for ABIN7384590
2'-Deoxy-5-fluorocytidine

1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: Irreversible DNA methyltransferase inhibitor

Characteristics: A DNA methyltransferase inhibitor currently in clinical trials for breast cancer and other solid tumors. Like 5'-Azacytidine and decitabine, 2'-Deoxy-5-fluorocytidine is a pyrimidine analog that integrates into chromatin to inhibit DNA methylation. It blocks proliferation in colon cancer-derived HCT116 cells by activating DNA response pathways. It inhibits various strains of pathogenic avian influenza viruses in vitro and in vivo.

Purity: >98 %

Chemical Name: 5-fluoro-2'deoxyctidine

Formula: C9H12FN3O4

Solubility: Soluble in DMSO (up to 20 mg/ml).

Target Details

Background: FCDR, FdCyd, NSC-48006, Ro 5-1090, Epigenetics, Chromatin, DNA methyltransferase, Infectious disease, Cancer, Proliferation, DNA damage

Molecular Weight: 245.2

CAS-No: 10356-76-0

Application Details

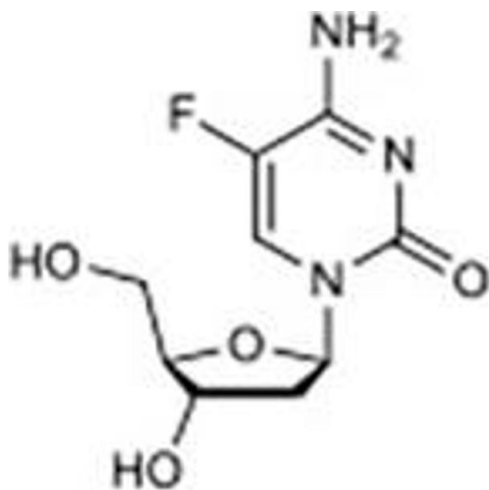
Restrictions: For Research Use only

Handling

Format: Powder

Storage: -20 °C

Images



Molecule

Image 1. /