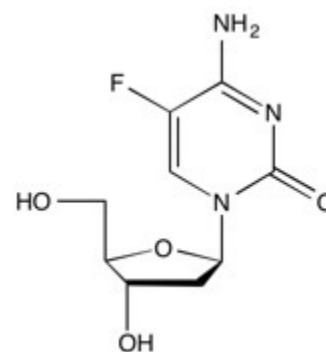


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Catalog	Unit
TBI2685-5MG	5 mg
TBI2685-25MG	25 mg

### Product Details

**Formal Name:** 5-fluoro-2'-deoxycytidine  
**Alternate Names:** FCDR; FdCyd; NSC-48006; Ro 5-1090  
**Molecular Formula:** C<sub>9</sub>H<sub>12</sub>FN<sub>3</sub>O<sub>4</sub>  
**Formula Weight:** 245.20  
**CAS Number:** 10356-76-0  
**Purity:** >98%  
**Formulation:** powder  
**Solubility:** Soluble in DMSO (up to 20 mg/ml).  
**Storage:** -20°C  
**Stability:** ≥ 2 years.



### Applications

Irreversible DNA methyltransferase inhibitor

### Functions

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.

### Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

**For research use only.**