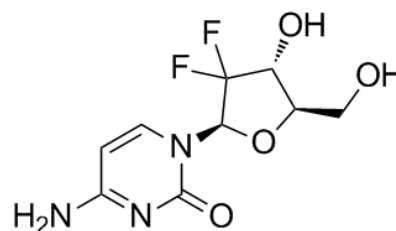


**Product Name** : Gemcitabine  
**Cat. No.** : PC-45149  
**CAS No.** : 95058-81-4  
**Molecular Formula** : C<sub>9</sub>H<sub>11</sub>F<sub>2</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 263.1982  
**Target** : Nucleoside Antimetabolite/Analog  
**Solubility** : 10 mM in DMSO  
1. Wang H, et al. *Anticancer Res.* 2011 Oct;31(10):3171-80.



### Biological Activity

Gemcitabine (NSC 613327, LY188011) is a synthetic pyrimidine nucleoside prodrug that works by inhibiting the enzyme **ribonucleotide reductase** (RNR) and blocking the creation of new DNA. Gemcitabine is a chemotherapy agent for treatment of a number of types of cancer.

### References

