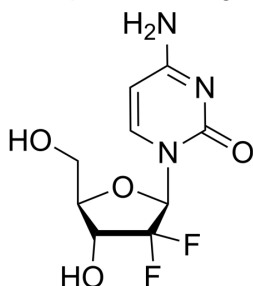


## Certificate of Analysis

**Product Name:** Gemcitabine  
**Cat. No.:** CS-0643  
**CAS No.:** 95058-81-4  
**Batch No.:** Lf0414129448  
**Chemical Name:** Cytidine, 2'-deoxy-2',2'-difluoro-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>F<sub>2</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight:** 263.20  
**Storage:** 2-8°C, protect from light  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (HPLC):** 99.78%  
**OR[α](C=0.99g/100ml MEOH):** 69°  
**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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