Gemcitabine is a 2’-deoxy-2’,2’-difluorocytidine monohydrochloride (((beta)-isomer) that inhibits ribonucleotide reductase and DNA synthesis. Gemcitabine exhibits anticancer chemotherapeutic and antiviral activities. In pancreatic cancer cells, gemcitabine induces cell death via mitochondrial complexation of MST1 and cyclophilin D. Additionally, this compound is active against strains of HIV-1 and feline leukemia virus (FeLV/FeLuk).

References

Reconstituted gemcitabine as the hydrochloride salt in the original vials is chemically stable at room temperature for 35 days.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.