

Product Name	: Gemcitabine
Synonyms	: LY 188011; NSC 613327; LY188011; LY-188011
Cat No.	: M16797
CAS Number	: 95058-81-4
Molecular Formula	: C ₉ H ₁₁ F ₂ N ₃ O ₄
Formula Weight	: 263.20
Chemical Name	: Cytidine, 2'-deoxy-2',2'-difluoro-
Description	: A synthetic pyrimidine nucleoside prodrug that works by inhibiting the enzyme ribonucleotide reductase (RNR) and blocking the creation of new DNA; a chemotherapy agent for treatment of a number of types of cancer. Chemotherapeutic Agents Approved
Pathway	: Cell Cycle/DNA Damage
Target	: Nucleoside Antimetabolite/Analog
Receptor	: Autophagy; Thymidylatesynthase; UMP-CMPkinase
Solubility	: 10 mM in DMSO
SMILES	: <chem>C1=CN(C(=O)N=C1N)[C@H]2C([C@@H]([C@H](O2)CO)O)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

