

Gemcitabine

货号: G1086

储存条件: 粉末-20°C可保存3年; 液体-80°C可保存12月。

产品描述

Gemcitabine (dFdCTP, LY-188011, NSC 613327, (+)-2'-Deoxy-2',2'-difluorocytidine) is a deoxycytidine analogue that has a spectrum of activity against solid tumors. Gemcitabine can inhibit DNA synthesis through a combination of two actions. The first, gemcitabine can inhibit ribonucleotide reductase (RR) and then cause the decrease of the deoxynucleotide pool sizes for DNA repair and synthesis. The second, gemcitabine inhibit DNA synthesis through competition with dCTP and incorporation into DNA. Gemcitabine can induce S-phase arrest and cell growth inhibition.

作用机制

Gemcitabine, as nucleoside analogue, can inhibit DNA synthesis through inhibition of ribonucleotide reductase and incorporation into DNA.

产品信息

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| CAS号 | 95058-81-4 | |
| 分子式 | C ₉ H ₁₁ F ₂ N ₃ O ₄ | |
| 分子量 | 263.20 | |
| 别名 | LY-188011;NSC-613327 | |
| 溶解度 | DMSO | 300.0 mg/mL (1139.8 mM) warming |
| | Water | 25.0 mg/mL(95.0 mM) warming |

