

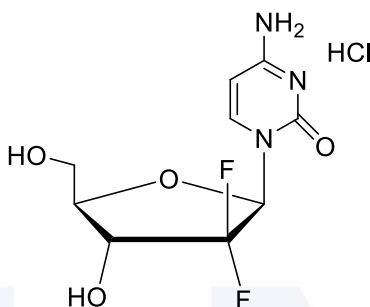


Northeast Business Center

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Certificate of Analysis



Product Name:	Gemcitabine Hydrochloride
Synonym	Gemzar
CAS No:	122111-03-9
Prod. No:	CT-GEM
Lot No:	01
Batch Empirical Formula Batch Empirical Wt.	C ₉ H ₁₁ F ₂ N ₃ O ₄ ·HCl 299.7
Solubility	Soluble in: DMSO (26.3mg/ml, 100mM) at 50 °C Water (13.2mg/ml, 50mM) at 50 °C
Storage	Store at 0-4 °C (short term), - 20 °C (long term), desiccated

Appearance	White crystalline powder
Quality Control	¹ HNMR: [✓] HPLC: [✓] Quantitative Elemental Analysis: [✓] C₉H₁₁F₂N₃O₄ ·HCl Calculated: C:36.07%, H:4.04%, N:14.02%, Cl: 11.83% Found: C:36.28%, H:4.09%, N:14.02%, Cl: 11.73%
Chemical Purity	>99.8% (HPLC at 214 and 254 nm)