

Product Datasheet

Gemcitabine-5'-triphosphate (orb1734031)

Description	Sodium Salt
Form/Appearance	solution in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	10 mM-11 mM
Storage	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Application notes	Influence on epigenetic markers; Treatment of hepatocellular carcinoma; Treatment of bladder carcinoma; Treatment of lung cancer; Treatment of breast cancer; Treatment of ovarian cancer. Spectroscopic Propertie: λ _{max} 271 nm, ε 9.1 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₉ H ₁₄ N ₃ O ₁₃ P ₃ F ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 503.14 g/mol (free acid); Detected MW: 502.97 g/mol (free acid)
SMILES	FC1(F)[C@H](n2ccc(N)nc2=O)O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@H]1O
Expiration Date	12 months from date of receipt.