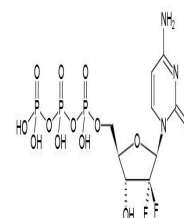


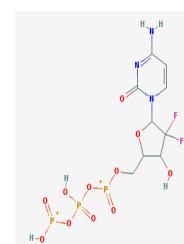
Product Datasheet

Gemcitabine-5'-triphosphate (orb63256)

| | |
|---------------------------|--|
| 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 |
| Hazard Information | Non-Toxic |
| Expiration Date | 12 months from date of receipt. |



Chemical structure of Gemcitabine-Triphosphate



Chemical structure of Gemcitabine-Triphosphate