

Product Datasheet

ara-Cytidine-5'-triphosphate (ara-CTP) (orb1734120)

Catalog Number	orb1734120
Category	Small Molecules
Description	Cytarabine triphosphate, Sodium salt
Form/Appearance	solution in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	10 mM-11 mM
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 483.16 g/mol (free acid); Detected MW: 482.98 g/mol (free acid)
Application notes	Treatment of acute myeloid leukemia Inhibition of DNA synthesis by incorporation Detection with isocratic HPLC Inhibition of DNA ligases and polymerases. Spectroscopic Propertie: λ _{max} 271 nm, ε 8.9 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.0).
CAS Number	13191-15-6
Formula	C ₉ H ₁₆ N ₃ O ₁₄ P ₃
SMILES	<chem>Nc1ccn(c(=O)n1)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)[C@H]1O</chem>
Storage	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Expiration Date	12 months from date of receipt.

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