

## Product Datasheet

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

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