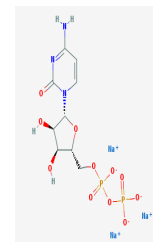


## Product Datasheet

### ara-Cytidine-5'-diphosphate (ara-CDP) (orb64017)

|                          |                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Cytarabine diphosphate                                                                                                   |
| <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                                                                                                          |
| <b>Note</b>              | For research use only                                                                                                    |
| <b>Application notes</b> | <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>15</sub> N <sub>3</sub> O <sub>11</sub> P <sub>2</sub>                                             |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                             |
| <b>MW</b>                | Theoretical MW: 403.17 g/mol (free acid); Detected MW: 403.02 g/mol (free acid)                                          |
| <b>SMILES</b>            | <chem>O[C@@H]1[C@H](n2ccc(N)nc2=O)O[C@H](COP(=O)(O)OP(=O)(O)O)[C@H]1O</chem>                                             |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                          |



Chemical structure of Ara-cytidine-5'-di...