

## Product Datasheet

### 7-Deaza-dGTP (orb64750)

|                          |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | 7-Deaza-dGTP                                                                                                                             |
| <b>Form/Appearance</b>   | solution in water; Color: colorless to slightly yellow; pH: $7.5 \pm 0.5$                                                                |
| <b>Concentration</b>     | 100 mM-110 mM                                                                                                                            |
| <b>Storage</b>           | store at -20 °C                                                                                                                          |
| <b>Note</b>              | For research use only                                                                                                                    |
| <b>Application notes</b> | <b>Spectroscopic Propertie:</b> $\lambda_{\text{max}}$ 259 nm, $\epsilon$ 12.6 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl, pH 7.5). |
| <b>Formula</b>           | C <sub>11</sub> H <sub>17</sub> N <sub>4</sub> O <sub>13</sub> P <sub>3</sub>                                                            |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                             |
| <b>MW</b>                | Theoretical MW: 506.19 g/mol (free acid); Detected MW: 506.00 g/mol (free acid)                                                          |
| <b>CAS Number</b>        | 101515-08-6                                                                                                                              |
| <b>SMILES</b>            | <chem>Nc1[nH]c(=O)c2c(n(cc2)[C@@H]2O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)C2)n1</chem>                                            |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                          |