

## Product Datasheet

### dCTPαS (orb63998)

|                          |                                                                                                                          |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | dCTPαS                                                                                                                   |
| <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 9.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl, pH 7.5). |
| <b>Formula</b>           | C <sub>9</sub> H <sub>16</sub> N <sub>3</sub> O <sub>12</sub> P <sub>3</sub> S                                           |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                             |
| <b>MW</b>                | Theoretical MW: 483.22 g/mol (free acid); Detected MW: 482.97 g/mol (free acid)                                          |
| <b>CAS Number</b>        | 64145-29-5                                                                                                               |
| <b>SMILES</b>            | <chem>Nc1ccn([C@@H]2O[C@H](COP(=S)(OP(=O)(OP(=O)(O)O)O)[C@@H](O)C2)c(=O)n1</chem>                                        |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                          |