

## Product Datasheet

### dCTP - Solution (orb1734230)

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|--------------------------|---|
| <b>Description</b>       | dCTP, PCR-grade is supplied as ultrapure aqueous solution (pH 8.5) and suitable for all molecular bi...   |
| <b>Form/Appearance</b>   | clear aqueous solution; pH: 8.5 ± 0.2 (22 °C)   |
| <b>Concentration</b>     | 100 mM-110 mM   |
| <b>Storage</b>           | store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible. If stored as recommended, Jena Bioscience guarantees optimal performance of this product for 12 months after date of delivery |
| <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 7.5).  |
| <b>Formula</b>           | C <sub>9</sub> H <sub>16</sub> N <sub>3</sub> O <sub>13</sub> P <sub>3</sub>  |
| <b>Purity</b>            | ≥ 99% (HPLC)  |
| <b>MW</b>                | Theoretical MW: 467.15 g/mol (free acid)  |
| <b>CAS Number</b>        | 102783-51-7   |
| <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)C1</chem>   |
| <b>Expiration Date</b>   | 12 months from date of receipt.   |