

## Product Datasheet

### 5-Propargylamino-ddCTP (ATTO-565) (orb64852)

|                          |                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | 5-Propargylamino-ddCTP conjugated to ATTO-565.                                                                                                                                                                                                                                                           |
| <b>Form/Appearance</b>   | solution in water; Color: red; pH: 7.5 ± 0.5                                                                                                                                                                                                                                                             |
| <b>Concentration</b>     | 0.50 mM-0.55 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>exc</sub> 564 nm, λ <sub>em</sub> 590 nm, ε 120.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                                                                                                                                                        |
| <b>Formula</b>           | C <sub>43</sub> H <sub>47</sub> N <sub>6</sub> O <sub>16</sub> P <sub>3</sub>                                                                                                                                                                                                                            |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                                             |
| <b>MW</b>                | Theoretical MW: 996.79 g/mol (free acid); Detected MW: 996.23 g/mol (free acid)                                                                                                                                                                                                                          |
| <b>SMILES</b>            | <chem>CCN1CCCc2cc3c(cc12)Oc1cc2=[N+](CC)CCCc2cc1=C3c1c(ccc(c1)C(=O)NCC#Cc1cn(c(=O)nc1N)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)CC1)C(=O)[O-].c1(C(=O)NCC#Cc2cn(c(=O)nc2N)[C@@H]2O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)CC2)cc(c(cc1)C1=c2c(Oc3c1cc1c(c3)N(CCC1)CC)cc1=[N+](CCCC1c2)CC)C(=O)[O-]</chem> |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                          |