

## Product Datasheet

### 5-Propargylamino-CTP (ATTO-550) (orb64946)

|                          |                                                                                                                                                                              |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | 5-Propargylamino-CTP conjugated to ATTO-550.                                                                                                                                 |
| <b>Form/Appearance</b>   | solution in water; Color: red-violet; pH: 7.5 ± 0.5                                                                                                                          |
| <b>Concentration</b>     | 1.0 mM-1.1 mM                                                                                                                                                                |
| <b>Storage</b>           | store at -20 °C                                                                                                                                                              |
| <b>Note</b>              | For research use only                                                                                                                                                        |
| <b>Application notes</b> | <b>Spectroscopic Propertie:</b> $\lambda_{exc}$ 554 nm, $\lambda_{em}$ 576 nm, $\epsilon$ 120.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                     |
| <b>Formula</b>           | C <sub>49</sub> H <sub>60</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub>                                                                                                |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                 |
| <b>MW</b>                | Theoretical MW: 1111.97 g/mol (free acid); Detected MW: 1111.33 g/mol (free acid)                                                                                            |
| <b>SMILES</b>            | [C@@H]1([C@H]([C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)([O-])O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCN(C(=O)c1c(C2=c3cc4C(CC([NH+]=c4cc3O)c3cc4NC(CC(c4cc23)C)(C)C)(C)C)C)cccc1)C)N)O)O |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                              |