

## Product Datasheet

### Aminoallyl-dUTP (ATTO-390) (orb64168)

|                          |                                                                                                                                                         |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Aminoallyl-dUTP conjugated to ATTO-390.                                                                                                                 |
| <b>Form/Appearance</b>   | solution in water; Color: slightly yellow; 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> $\lambda_{exc}$ 390 nm, $\lambda_{em}$ 476 nm, $\epsilon$ 24.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5). |
| <b>Formula</b>           | C <sub>32</sub> H <sub>43</sub> N <sub>4</sub> O <sub>17</sub> P <sub>3</sub>                                                                           |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                            |
| <b>MW</b>                | Theoretical MW: 848.63 g/mol (free acid); Detected MW: 848.18 g/mol (free acid)                                                                         |
| <b>SMILES</b>            | <chem>Cc1cc(=O)oc2cc3N(CCCC(=O)NC/C=C/c4cn(c(=O)[nH]c4=O)[C@H]4C[C@@H]([C@H](O4)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)C(C)(C)CC(C)c3cc12</chem>                 |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                         |