

## Product Datasheet

### Aminoallyl-dUTP-XX-ATTO-425 (orb533131)

|                          |                                                                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Aminoallyl-dUTP-XX-ATTO425 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and ...                                                                                                                                                                                 |
| <b>Form/Appearance</b>   | filtered solution (30 kDa) in 10 mM Tris-HCl; Color: green-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> | Incorporation into DNA/cDNA by: PCR with Taq polymerase in-house data; Nick Translation with DNAse I/DNA Polymerase in-house data.<br><b>Spectroscopic Properties:</b> λ <sub>exc</sub> 439 nm, λ <sub>em</sub> 485 nm, ε 45.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5). |
| <b>Formula</b>           | C <sub>46</sub> H <sub>67</sub> N <sub>6</sub> O <sub>21</sub> P <sub>3</sub>                                                                                                                                                                                                           |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                            |
| <b>MW</b>                | Theoretical MW: 1132.97 g/mol (free acid); Detected MW: 1132.36 g/mol (free acid)                                                                                                                                                                                                       |
| <b>SMILES</b>            | <chem>C(/C=C/c1cn(c(=O)[nH]c1=O)[C@H]1C[C@@H]([C@H](O1)COP(=O)(OP(=O)(OP(=O)(O)O)O)O)NC(=O)CCCCCNC(=O)CCCCCNC(=O)CCCN1c2cc3oc(=O)c(C(=O)OCC)cc3cc2C(C)CC1(C)C</chem>                                                                                                                    |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                         |