

## Product Datasheet

### EDA-GTP (ATTO-550) (orb63774)

|                          |                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | EDA-GTP conjugated to ATTO-550.                                                                                                                                                                                                                                                                                                                 |
| <b>Form/Appearance</b>   | solution in water, containing 10% DMSO; Color: red-violet; 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> 554 nm, λ <sub>em</sub> 576 nm, ε 120.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                                                                                                                                                                                               |
| <b>Formula</b>           | C <sub>50</sub> H <sub>63</sub> N <sub>10</sub> O <sub>18</sub> P <sub>3</sub>                                                                                                                                                                                                                                                                  |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                                                                                    |
| <b>MW</b>                | Theoretical MW: 1185.03 g/mol (free acid); Detected MW: 1184.35 g/mol (free acid)                                                                                                                                                                                                                                                               |
| <b>SMILES</b>            | <chem>O[C@H]1[C@H](n2cnc3c(N)ncnc23)O[C@H](COP(=O)(O)OP(=O)(O)[O-])[C@H]1OC(=O)NCCNC(=O)CCCN(C(=O)c1c(C2=c3cc4C(CC([NH+]=c4cc3Oc3cc4NC(CC(c4cc23)C)(C)C)(C)C)C)cccc1)C.N(CCNC(=O)O[C@H]1[C@H](n2cnc3c(N)ncnc23)O[C@H](COP(=O)(O)OP(=O)(O)[O-])[C@H]1OC(=O)CCCN(C(=O)c1c(C2=c3cc4C(CC([NH+]=c4cc3Oc3cc4NC(CC(c4cc23)C)(C)C)(C)C)C)cccc1)C</chem> |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                                 |