

## Product Datasheet

### EDA-ADP (ATTO-565) (orb63960)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | EDA-ADP conjugated to ATTO-565.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form/Appearance</b>   | solution in water; Color: red; 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> 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>44</sub> H <sub>49</sub> N <sub>9</sub> O <sub>15</sub> P <sub>2</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MW</b>                | Theoretical MW: 1005.87 g/mol (free acid); Detected MW: 1005.28 g/mol (free acid)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SMILES</b>            | <chem>C(=O)(NCCNC(=O)O[C@H]1[C@H](n2cnc3c(N)ncnc23)O[C@H](COP(=O)(O)OP(=O)(O)O)[C@H]1O)c1cc(c(cc1)C(=O)[O-])C1=c2c(Oc3c1cc1c(c3)N(CCC1)CC)cc1=[N+](CCCC1c2)CC.C(=O)(NCCNC(=O)O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)O)[C@@H](n2cnc3c(N)ncnc23)[C@@H]1O)c1cc(c(cc1)C(=O)[O-])C1=c2c(Oc3c1cc1c(c3)N(CCC1)CC)cc1=[N+](CCCC1c2)CC.N(CCN(C(=O)O)[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)O)[C@@H](n2cnc3c(N)ncnc23)[C@@H]1O)c1cc(c(cc1)C1=c2c(Oc3c1cc1c(c3)N(CCC1)CC)cc1=[N+](CCCC1c2)CC)C(=O)[O-].N(CCN(C(=O)O)[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)O)[C@@H](n2cnc3c(N)ncnc23)[C@@H]1O)c1cc(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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |