

## Product Datasheet

### EDA-ADP (ATTO-488) (orb63965)

|                          |                                                                                                                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | EDA-ADP conjugated to ATTO-488.                                                                                                                                                                                                                                                                                               |
| <b>Form/Appearance</b>   | solution in 10 mM Tris-HCl; Color: 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> λ <sub>exc</sub> 500 nm, λ <sub>em</sub> 520 nm, ε 90.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                                                                                                                                                                              |
| <b>Formula</b>           | C <sub>38</sub> H <sub>42</sub> N <sub>10</sub> O <sub>20</sub> P <sub>2</sub> S <sub>2</sub>                                                                                                                                                                                                                                 |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                                                                  |
| <b>MW</b>                | Theoretical MW: 1084.87 g/mol (free acid); Detected MW: 1084.15 g/mol (free acid)                                                                                                                                                                                                                                             |
| <b>SMILES</b>            | O([C@H]1[C@H](n2cnc3c(N)ncnc23)O[C@H](COP(=O)(O)OP(=O)(O)O)[C@H]1O)C(=O)NCCNC(=O)CCCN(C(=O)c1cccc1c1c2c(oc3c1ccc(c3S(=O)(=O)O)N)c(c(=[NH2+])cc2)S(=O)(=O)[O-])C.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)c1cccc1c1c2c(oc3c1ccc(c3S(=O)(=O)O)N)c(c(=[NH2+])cc2)S(=O)(=O)[O-])C |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                               |