

## Product Datasheet

### EDA-ATP (ATTO-680) (orb63854)

|                          |                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | EDA-ATP conjugated to ATTO-680.                                                                                                                                                                                                                                                                                                       |
| <b>Form/Appearance</b>   | solution in water; Color: blue; 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> $\lambda_{exc}$ 681 nm, $\lambda_{em}$ 698 nm, $\epsilon$ 125.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                                                                                                                                                                              |
| <b>Formula</b>           | C <sub>40</sub> H <sub>51</sub> N <sub>10</sub> O <sub>19</sub> P <sub>3</sub> S                                                                                                                                                                                                                                                      |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                                                                          |
| <b>MW</b>                | Theoretical MW: 1100.88 g/mol (free acid); Detected MW: 1100.23 g/mol (free acid)                                                                                                                                                                                                                                                     |
| <b>SMILES</b>            | <chem>N(CCNC(=O)O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](n2cnc3c(N)ncnc23)[C@@H]1O)C(=O)CCCN1c2cc3Oc4cc5=[N+](CC)CCc5cc4=Nc3cc2C(=CC1(C)C)CS(=O)(=O)[O-].N(CCNC(=O)O[C@H]1[C@H](n2cnc3c(N)ncnc23)O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@H]1O)C(=O)CCCN1c2cc3Oc4cc5=[N+](CC)CCc5cc4=Nc3cc2C(=CC1(C)C)CS(=O)(=O)[O-]</chem> |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                       |