

## Product Datasheet

### EDA-ATP gamma S (ATTO-620) (orb63812)

|                          |                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | EDA-ATP gamma S conjugated to ATTO-620.                                                                                                                                                                                                                                                                                                            |
| <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> λ <sub>exc</sub> 620 nm, λ <sub>em</sub> 642 nm, ε 120.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).                                                                                                                                                                                                  |
| <b>Formula</b>           | C <sub>45</sub> H <sub>57</sub> N <sub>10</sub> O <sub>15</sub> P <sub>3</sub> S                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | ≥ 90% (HPLC)                                                                                                                                                                                                                                                                                                                                       |
| <b>MW</b>                | Theoretical MW: 1102.99 g/mol (free acid); Detected MW: 1102.29 g/mol (free acid)                                                                                                                                                                                                                                                                  |
| <b>SMILES</b>            | <chem>N(CCN(C(=O)O[C@@H]1[C@@H](COP(=O)(O)OP(=O)(O)OP(=S)([O-])O)[C@@H](n2cnc3c(N)ncnc23)[C@@H]1O)C(=O)CCCN(C(=O)c1cccc1C1=C2C=CC(=[N+](C)C)C=C2C(c2c1ccc(c2)N(C)C)(C)C)C.O=C(O[C@@H]1[C@@H](n2cnc3c(N)ncnc23)O[C@@H](COP(=O)(O)OP(=O)(O)OP(=S)([O-])O)[C@@H]1O)NCCNC(=O)CCCN(C(=O)c1cccc1C1=C2C=CC(=[N+](C)C)C=C2C(c2c1ccc(c2)N(C)C)(C)C)C</chem> |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                                    |