

## Product Datasheet

### EDA-ATP (DYQ-661) (orb63834)

|                          |                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | EDA-ATP conjugated to DYQ-661.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form/Appearance</b>   | solution in water; 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> 662 nm, ε 104.0 L mmol <sup>-1</sup> cm <sup>-1</sup> , (Tris-HCl pH 7.5), λ <sub>exc</sub> 662 nm, ε 140.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Ethanol), Please note: DYQ661 is not a dark quencher, λ <sub>em</sub> 690 nm.                                                                                                              |
| <b>Formula</b>           | C <sub>52</sub> H <sub>63</sub> N <sub>9</sub> O <sub>22</sub> P <sub>3</sub> S <sub>2</sub>                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>            | ≥ 95% (HPLC)                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MW</b>                | Theoretical MW: 1323.16 g/mol (Anion)                                                                                                                                                                                                                                                                                                                                                          |
| <b>SMILES</b>            | <chem>Nc1ncnc2c1ncn2[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](O)[C@H]1OC(=O)NCCNC(=O)CCCC1(c2cc(ccc2N/C1=C\C=C\c1c2c(cc(N(CC)CC)cc2)[o+ ]c(c2ccccc2)c1C)CCCS(=O)(=O)[O-])S(=O)(=O)O)C.Nc1ncnc2c1ncn2[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@@H](OC(=O)NCCNC(=O)CCCC2(c3cc(ccc3N/C2=C\C=C\c2c3c(cc(N(CC)CC)cc3)[o+ ]c(c3ccccc3)c2C)CCCS(=O)(=O)[O-])S(=O)(=O)O)C)[C@H]1O</chem> |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                |