

## Product Datasheet

### EDA-AppNHp (ATTO-647N) (orb63904)

<b>Description</b>	EDA-AppNHp conjugated to ATTO-647N.
<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> 646 nm, λ <sub>em</sub> 664 nm, ε 150.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).
<b>Formula</b>	C <sub>55</sub> H <sub>72</sub> N <sub>11</sub> O <sub>15</sub> P <sub>3</sub>
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 1220.14 g/mol (free acid); Detected MW: 1219.44 g/mol (free acid)
<b>SMILES</b>	[C@@H]1([C@H]([C@@H](O[C@@H]1COP(=O)(OP(=O)(NP(=O)(O)O)O)O)n1c2c(nc1)c(ncn2)N)OC(=O)NCCNC(=O)CCCN(C(=O)c1c(C2=c3cc4c5=[N+](CCC4)CCCc5c3C(c3c2cc2c(c3)N(C(CC2C)(C)C)CC(C)cccc1)C)O.[C@@H]1([C@H]([C@@H](O[C@@H]1COP(=O)(OP(=O)(NP(=O)(O)O)O)O)n1c2c(nc1)c(ncn2)N)O)OC(=O)NCCNC(=O)CCCN(C(=O)c1c(C2=c3cc4c5=[N+](CCC4)CCCc5c3C(c3c2cc2c(c3)N(C(CC2C)(C)C)CC(C)cccc1)C
<b>Expiration Date</b>	12 months from date of receipt.