

Product Datasheet

EDA-ATP (Cy3) (orb63841)

Description	EDA-ATP conjugated to Cy3.
Form/Appearance	solution in water; Color: pink; pH: 7.5 ± 0.5
Concentration	1.0 mM-1.1 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Fluorescence polarization Stopped-flow studies Kinetics of nucleotide exchange Fluorescence correlation spectroscopy Crossbridging by flash photolysis. Spectroscopic Propertie: λ_{exc} 550 nm, λ_{em} 570 nm, ε 150.0 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5). Specific Ligands: Myosin/actomyosin-ATPase, Myofibrils.
Formula	C ₄₄ H ₅₈ N ₉ O ₂₁ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1206.03 g/mol (free acid); Detected MW: 1205.24 g/mol (free acid)
SMILES	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)CCCCCN1/C(=C/C=C/C2=*(CC)c3c(C2(C)C)cc(S(=O)(=O)[O-])cc3)/C(c2c1ccc(c2)S(=O)(=O)O)(C)C.C(=C\N(c2c(C1(C)C)cc(cc2)S(=O)(=O)O)CCCCC(=O)NCCNC(=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=C\C1=*(CC)c2c(C1(C)C)cc(S(=O)(=O)[O-])cc2
Expiration Date	12 months from date of receipt.