

Product Datasheet

Mant-ATP (orb1734016)

Description	Mant-ATP
Form/Appearance	solution in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	10 mM-11 mM
Storage	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Application notes	Conformational dynamic: DnaB/C-protein, Csk; Inhibition of AC-isoforms; Fluorescence stop-flow kinetics: PKA; FRET: AC, myosin V. Spectroscopic Propertie: λ _{max} 255/355 nm, ε 23.3/5.8 L mmol ⁻¹ cm ⁻¹ , (Tris-HCl pH 7.5), λ _{exc} 355 nm, λ _{em} 448 nm. Specific Ligands: DnaC-protein, Factor Rho.
Formula	C ₁₈ H ₂₃ N ₆ O ₁₄ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 640.33 g/mol (free acid); Detected MW: 640.05 g/mol (free acid)
CAS Number	151481-86-6
SMILES	OP(=O)(O)OP(=O)(O)OP(=O)(O)OC[C@H]1O[C@@H](n2cnc3c(N)ncnc23)[C@H](OC(=O)c2c(NC)cccc2)[C@@H]1O.OP(=O)(O)OP(=O)(O)OP(=O)(O)OC[C@H]1O[C@@H](n2cnc3c(N)ncnc23)[C@H](O)[C@@H]1OC(=O)c1c(cccc1)NC
Expiration Date	12 months from date of receipt.