CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

# Product Information

## Adenosine 2',3'-cyclic phosphate (sodium)

**Cat. No.:** X24-03-LY697

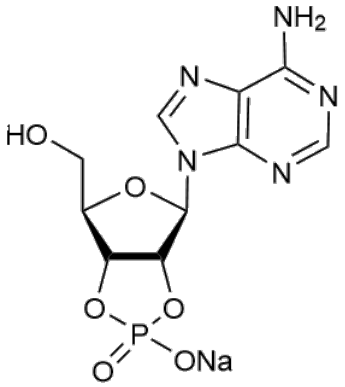
**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

**MDL:** MFCD00005757

**CAS Number:** 37063-35-7

**Compound CID:** 23666344

**Synonym:** 37063-35-7; Adenosine-2',3'-cyclic monophosphate sodium salt; 2',3'-cAMP Sodium salt; Sodium [(3*aR*,4*R*,6*R*,6*aR*)-4-(6-aminopurin-9-yl)-2-oxido-2-*oxo*-3a,4,6,6a-tetrahydrofuro[3,4-d][1,3,2]dioxaphosphol-6-yl]methanol




**This product is for research use only and is not intended for diagnostic use.**

## Product Information

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|---|---|
| **Description** | Adenosine 2',3'-cyclic phosphate (sodium) is an important modified nucleoside containing adenosine and phosphate groups. |
| **Molecular Weight** | 351.19 |
| **Molecular Formula** | $C_{10}H_{11}N_5NaO_6P$ |
| **IUPAC Name** | Sodium;[(3*aR*',4*R*,6*R*,6*aR*')-4-(6-Aminopurin-9-yl)-2-oxido-2-*oxo*-3a,4,6,6a-tetrahydrofuro[3,4-d][1,3,2]dioxaphosphol-6-yl]methanol |
| **InChI** | InChI=1S/C10H12N5O6P.Na/c11-8-5-9(13-2-12-8)15(3-14-5)10-7-6(4(1-16)19-10)20-22(17,18)21-7;/h2-4,6-7,10,16H,1H2,(H,17,18)(H2,11,12,13);/q;+1/p-1/t4-,6-,7-,10-;/m1./s1 |
| **InChI Key** | VSDSIACSNXHGOV-MCDZGGTQSA-M |
| **Canonical SMILES** | C1=NC(=C2C(=N1)N(C=N2)C3C4C(C(O3)CO)OP(=O)(O4)[O-])N.[Na+] |
| **Isomeric SMILES** | C1=NC(=C2C(=N1)N(C=N2)[C@H]3[C@H]4[C@@H]([C@H](O3)CO)OP(=O)(O4)[O-])N.[Na+] |
| **Form** | Solid |
| **Purity** | ≥98% |
| **Applications** | Adenosine 2',3'-cyclic phosphate (sodium) can be used to research cell signaling pathways and protein phosphorylation. |
| **Storage** | Store at -20°C. |

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