

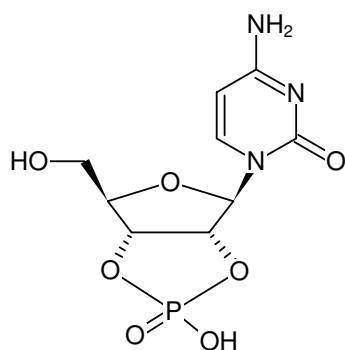


Cytidine-2',3'-cyclic monophosphate

2',3'-cCMP

Cytidine-2',3'-cyclic monophosphate, Monosodium salt

Cat. No.	Amount
NU-856-50	50 mg
NU-856-250	5 x 50 mg



Structural formula of Cytidine-2',3'-cyclic monophosphate

For general laboratory use.

Shipping: shipped on gel packs

Storage Conditions: store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery

Molecular Formula: C₉H₁₂N₃O₇P (free acid)

Molecular Weight: 305.18 g/mol (free acid)

Exact Mass: 305.04 g/mol (free acid)

CAS#: 15718-51-1

Purity: ≥ 95 % (HPLC)

Form: solid

Color: white to off-white

Spectroscopic Properties: λ_{max} 271 nm, ε 8.9 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Selected References:

Marotta *et al.* (2023) Insights into the metabolism, signaling, and physiological effects of 2',3'-cyclic nucleotide monophosphates in bacteria. *Critical Reviews in Biochemistry and Molecular Biology*. **58(2-6)**:118.

Chauhan *et al.* (2022) Binding of 2',3'-Cyclic Nucleotide Monophosphates to Bacterial Ribosomes Inhibits Translation. *ACS Cent. Sci.* **8(11)**:1518.

Duggal *et al.* (2022) Cellular Effects of 2',3'-Cyclic Nucleotide Monophosphates in Gram-Negative Bacteria. *ACS Cent. Sci.* **204(1)**:e00208-21.