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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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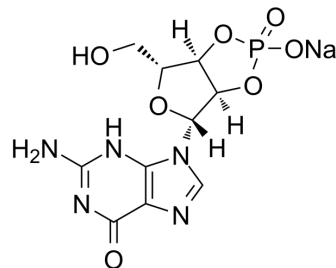
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2',3'-cGMP sodium

Cat. No.:	HY-N8245
CAS No.:	15718-49-7
Molecular Formula:	C ₁₀ H ₁₁ N ₅ NaO ₇ P
Molecular Weight:	367.19
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (272.34 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7234 mL	13.6169 mL	27.2339 mL
	5 mM	0.5447 mL	2.7234 mL	5.4468 mL
	10 mM	0.2723 mL	1.3617 mL	2.7234 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

2',3'-cGMP sodium, a cGMP analogue, is an intermediate of RNA catalytic cleavage by binase^[1].

In Vitro

2',3'-cGMP sodium (10 nM-100 μM, 120 min) reduces the active transport of [³H]3',5'-cGMP into inside-out vesicles from human erythrocytes^[2].

2',3'-cGMP sodium (2 μM) increases the ATPase activity^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sokurenko JV, et al. [Identification of 2',3'-cGMP as an intermediate of RNA catalytic cleavage by binase and evaluation of its biological action]. Bioorg Khim. 2015 Jan-Feb;41(1):37-43. Russian.

[2]. Boadu E, et al. Inhibition by guanosine cyclic monophosphate (cGMP) analogues of uptake of [(3)H]3',5'-cGMP without stimulation of ATPase activity in human erythrocyte inside-out vesicles. Biochem Pharmacol. 2001 Aug 15;62(4):425-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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