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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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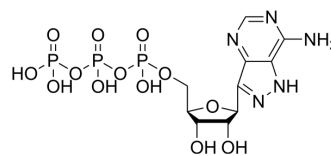
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Formycin triphosphate

Cat. No.:	HY-161681
CAS No.:	16409-13-5
Molecular Formula:	C ₁₀ H ₁₆ N ₅ O ₁₃ P ₃
Molecular Weight:	507.18
Target:	Guanylate Cyclase
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Formycin triphosphate is a fluorescent analogue of ATP which on binding to enzyme active sites exhibits enhanced fluorescence. Formycin triphosphate is an ATP-competitive chicken liver pyruvate carboxylase inhibitor. Formycin triphosphate potentiates atrial natriuretic factor (ANF)-stimulated guanylate cyclase activity with an EC₅₀ at about 90 μM and inhibits ATP-stimulated guanylate cyclase activity with an IC₅₀ at about 100 μM^{[1][2]}.

REFERENCES

- [1]. P V Attwood, et al. Interaction of formycin A-5'-triphosphate with pyruvate carboxylase. FEBS Lett. 1984 Sep 17;175(1):45-50.
- [2]. C H Chang, et al. Formycin triphosphate as a probe for the ATP binding site involved in the activation of guanylate cyclase. Eur J Pharmacol. 1992 Oct 1;227(2):229-31.

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

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