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Zuschläge

- Mindermengenzuschlag
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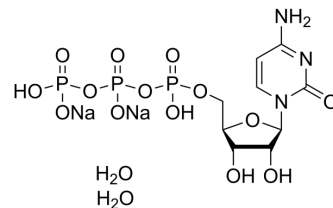
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Cytidine-5'-triphosphate disodium dihydrate

Cat. No.:	HY-W013707
CAS No.:	81012-87-5
Molecular Formula:	C ₉ H ₁₈ N ₃ Na ₂ O ₁₆ P ₃
Molecular Weight:	563.15
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cytidine-5'-triphosphate disodium dihydrate (5'-CTP disodium dihydrate) is a molecule of high energy, and acts as a coenzyme in glycerophospholipid biosynthesis and protein glycosylation^{[1][2][3]}.

REFERENCES

- [1]. Boghaei DM, et al. Spectrophotometric studies of molecular complex formation between water-soluble cobalt(II) Schiff base complex and nucleotides in mixed solvent systems. *Spectrochim Acta A Mol Biomol Spectrosc.* 2005;61(13-14):3061-3065.
- [2]. Wang L, et al. Dietary uridine-5'-monophosphate supplementation increases potassium-evoked dopamine release and promotes neurite outgrowth in aged rats. *J Mol Neurosci.* 2005;27(1):137-145.
- [3]. Shames SL, Simon ES, Christopher CW, et al. CMP-N-acetylneuraminic acid synthetase of *Escherichia coli*: high level expression, purification and use in the enzymatic synthesis of CMP-N-acetylneuraminic acid and CMP-neuraminic acid derivatives. *Glycobiology.* 1991;1(2):187-191.

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

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