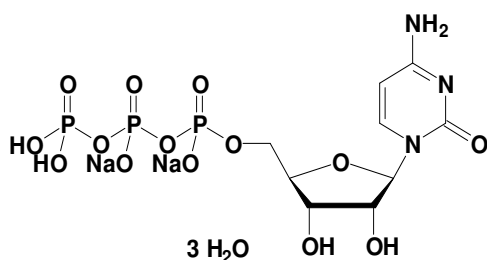


# CTP

Cytidine 5'-triphosphate, sodium salt

	Cat. No.	Amount
	CTP_100G	100 g
	CTP_1000G	1000 g



For *in vitro* use only

Store at -20°C, short term exposure (up to 1 week) to ambient temperature possible

## Purity

CTP ≥ 95.0%

## Molecular Formula

$C_9H_{14}N_3Na_2O_{14}P_3 \times 3H_2O$

## Molecular Weight

581.16 g/mol

## Absorbance

absorbance max: 272 nm (pH 7)

$\epsilon$  at absorbance max: 8.9 l·mmol<sup>-1</sup>·cm<sup>-1</sup>

## Applications

Physiological role in coronary artery disease<sup>[1]</sup>

Physiological role in lipid metabolism<sup>[2]</sup>

Physiological role in farnesol induced apoptosis<sup>[3]</sup>

## Specific Ligands

CTP synthase<sup>[4]</sup>

Phosphocholine cytidyltransferase alpha<sup>[2]</sup>

## Selected References

[1] Lui *et al.* (2010) Evaluation of CT perfusion in setting of cerebral ischemia: patterns and pitfalls. *American Journal of Neuroradiology* **31**:1552.

[2] Luoma (2010) Gene activation regresses arteriosclerosis, promotes health, and enhances longevity. *Lipids in health and disease* **9**:67.

[3] Joo *et al.* (2010) Molecular mechanisms involved in farnesol-induced apoptosis. *Cancer letters* **287**:123.

[4] Cabeen *et al.* (2010) A metabolic assembly line in bacteria. *Nature Cell Biology* **12**:731.

Spangler *et al.* (2011) Interaction of the diguanylate cyclase YdeH of *Escherichia coli* with 2',(3')-substituted purine and pyrimidine nucleotides. *J. Pharmacol. Exp. Ther.* **336** (1):234.