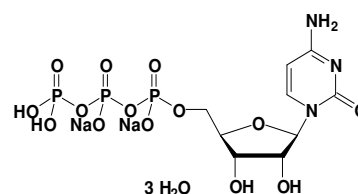


**DATA SHEET**

**Cytidine 5'-Triphosphate, CTP**

Product: Cytidine 5'-Triphosphate, Disodium Salt  
 CAS Number: 36051-68-0  
 Structural formula:



**Ordering Information**

Cat.-No.	Amount
NU-1011-100	100 mg
NU-1011-1G	1 g
NU-1011-10G	10 g
NU-1011-100G	100 g

**Physical Constants**

Formula	$C_9H_{14}N_3Na_2O_{14}P_3 \times 3H_2O$
Molecular Weight	581.16 g/mol
Absorbance	
absorbance max:	271 nm (pH 7)
$\epsilon$ at absorbance max:	$8.9 \text{ mmol}^{-1} \text{ cm}^{-1}$

**Quality Control Assays**

Physical Assays	Specification
Appearance	white powder
Purity by HPLC	$\geq 98\%$
Functional Assays	Specification
in vitro transcription (T7 RNA polymerase)	visible RNA fragment after 5 min incubation
DNases, RNases, Nicking Activity	not detectable
Proteases	not detectable