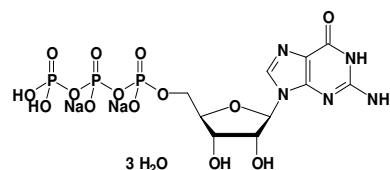


DATA SHEET

Guanosine 5'-Triphosphate, GTP

Product: Guanosine 5'-Triphosphate, Disodium Salt
 CAS Number: 36051-31-7
 Structural formula:



Ordering Information

Cat.-No.	Amount
NU-1012-100	100 mg
NU-1012-1G	1 g
NU-1012-10G	10 g
NU-1012-100G	100 g

Physical Constants

Formula	$C_{10}H_{14}N_5Na_2O_{14}P_3 \times 3H_2O$
Molecular Weight	621.18 g/mol
Absorbance	
absorbance max:	252 nm (pH 7)
ϵ at absorbance max:	14.2 mmol ⁻¹ cm ⁻¹

Quality Control Assays

Physical Assays	Specification
Appearance	white powder
Purity by HPLC	≥ 90%
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