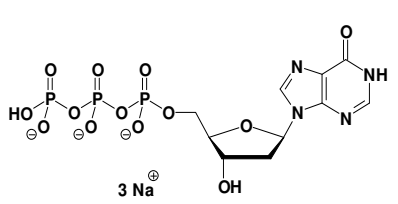


**DATA SHEET**
**dITP**
**2'-Deoxyinosine 5'-triphosphate, sodium salt**

Cat.-No.	Volume	Amount	Conc.
NU-1007	1 ml	100 $\mu$ mol	100 mM

Description	dITP is supplied as ultrapure aqueous solution.
CAS Number	1927-31-7
Formula (Anion)	$C_{10}H_{12}N_4O_{13}P_3$
Molecular Weight	489.14 $g \cdot mol^{-1}$
Storage	Store at $-20^{\circ}C$ , short term (up to one week) exposure to ambient temperature possible
Stability	Quality guaranteed for 12 months
Structure	

**Biophysical Specifications**

Appearance	clear colorless solution
Concentration (22°C, pH 7.0)	100-110 mM ( $A_{249\text{ nm}}, \epsilon = 12.2\text{ l} \cdot \text{mmol}^{-1} \cdot \text{cm}^{-1}$ )
pH (4°C)	$8.5 \pm 0.1$
Purity (HPLC area)	dITP $\geq 99.0\%$ dIDT $\leq 0.9\%$ dIMP $\leq 0.5\%$

**Functional Specifications**

Contamination with bacterial or human DNA	not detectable
DNases, RNases, Nicking Activity	not detectable
Proteases	not detectable