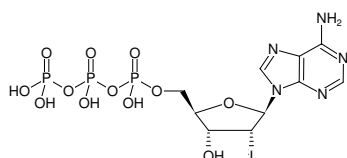


**2'-Iodo-dATP**

(2'-I-dATP)

2'-Iodo-2'-deoxyadenosine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-101	150 µl (10 mM)



Structural formula of 2'-Iodo-dATP

For general laboratory use.**Shipping:** shipped on gel packs**Storage Conditions:** store at -20 °C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months after date of delivery**Molecular Formula:** C₁₀H₁₅N₅O₁₂P₃I (free acid)**Molecular Weight:** 617.08 g/mol (free acid)**Exact Mass:** 616.90 g/mol (free acid)**CAS#:** 107245-25-0**Purity:** ≥ 95 % (HPLC)**Form:** solution in water**Color:** colorless to slightly yellow**Concentration:** 10 mM - 11 mM**pH:** 7.5 ±0.5**Spectroscopic Properties:** λ_{max} 259 nm, ε 15.4 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)**Selected References:**Liu *et al.* (2011) Initiation complex structure and promoter proofreading. *Science* **333** (6042):633.Gruen *et al.* (1999) 2'-Halo-ATP and -GTP analogues: Rational phasing tools for protein crystallography. *Protein Sci.* **8**:2524.Gruen *et al.* (1999) Synthesis of 2'-iodo- and 2'-bromo-ATP and GTP analogues as potential phasing tools for X-ray crystallography. *Nucleos. Nucleot.* **18** (1):137.Naber *et al.* (1995) A novel adenosine-triphosphate analog with a heavy-atom to target the nucleotide-binding site of proteins. *Protein Sci.* **4**:1824.