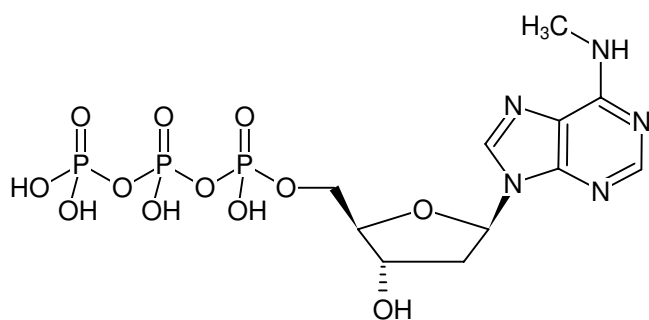


**N⁶-Methyl-dATP**

N⁶-Methyl-2'-deoxyadenosine-5'-triphosphate, Sodium salt
N⁶-Methyl-2'-dATP

| Cat. No. | Amount |
|----------|--------------------|
| NU-949S | 10 µl (100 mM) |
| NU-949L | 5 x 10 µl (100 mM) |



Structural formula of N⁶-Methyl-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: C₁₁H₁₈N₅O₁₂P₃ (free acid)

Molecular Weight: 505.21 g/mol (free acid)

Exact Mass: 505.02 g/mol (free acid)

Purity: ≥ 95 % (HPLC)

Form: solution in water

Color: colorless to slightly yellow

Concentration: 100 mM - 110 mM

pH: 7.5 ± 0.5

Spectroscopic Properties: λ_{max} 269 nm, ε 15.4 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)

Selected References:

Choi *et al.* (2016) The use of modified and non-natural nucleotides provide unique insights into pro-mutagenic replication catalyzed by polymerase *eta*. *Nucleic Acids Res.* **44** (3):1022.

Devadoss *et al.* (2007) Enhancing the 'A-rule' of translesion DNA synthesis: promutagenic DNA synthesis using modified nucleoside triphosphates. *Biochemistry* **46** (48):13752.

Ratel *et al.* (2006) N6-methyladenine: the other methylated base of DNA. *Bioessays*. **28** (3):309.

Kuwahara *et al.* (2003) Simultaneous incorporation of three different modified nucleotides during PCR. *Nucleic Acids Res. Suppl.* **3**:37.