

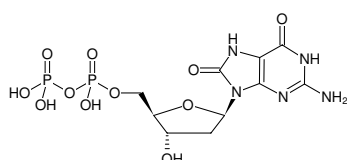
**8-Oxo-dGDP**

8-Hydroxy-dGDP

8-Oxo-2'-deoxyguanosine-5'-diphosphate, Sodium salt

8-Hydroxy-2'-deoxyguanosine-5'-diphosphate, Sodium salt

Cat. No.	Amount
NU-1158S	20 µl (10 mM)
NU-1158L	5 x 20 µl (10 mM)



Structural formula of 8-Oxo-dGDP

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:** C₁₀H₁₅N₅O₁₁P₂ (free acid)**Molecular Weight:** 443.20 g/mol (free acid)**Exact Mass:** 443.02 g/mol (free acid)**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} 245 nm, ε 12.3 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)**Selected References:**Kai *et al.* (2002) An oxidized nucleotide affects DNA replication through activation of protein kinases in *Xenopus* egg lysates. *Nucl. Acids Res.* **30** (2):569.Canitrot *et al.* (2000) Nucleotide excision repair DNA synthesis by excess DNA polymerase beta: a potential source of genetic instability in cancer cells. *FASEB J.* **14** (12):1765.Nampalli *et al.* (2000) Efficient synthesis of 8-oxo-dGTP: A mutagenic nucleotide. *Bioorg. Med. Chem. Lett.* **10** (15):1677.