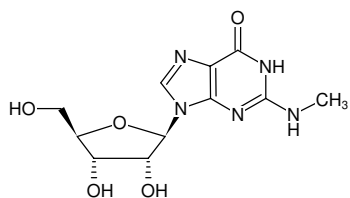


**N²-Methyl-guanosine**

(m2G)

Cat. No.	Amount
N-1089-10	10 mg

Structural formula of N²-Methyl-guanosine**For general laboratory use.****Shipping:** shipped at ambient temperature**Storage Conditions:** store at 4 °C**Shelf Life:** 48 months after date of delivery**Molecular Formula:** C₁₁H₁₅N₅O₅**Molecular Weight:** 297.27 g/mol**Exact Mass:** 297.11 g/mol**CAS#:** 2140-77-4**Purity:** ≥ 98 % (HPLC)**Form:** solid**Color:** white to off-white**Spectroscopic Properties:** λ_{max} 254 nm, ε 15.1 L mmol⁻¹ cm⁻¹ (H₂O)**Selected References:**

Limbach *et al.* (1994) Summary: the modified nucleosides of RNA. *Nucleic Acids Res.* **22** (12):2183.

Van Charldorp *et al.* (1981) 16S ribosomal RNA of Escherichia coli contains a N²-methylguanosine at 27 nucleotides from the 3' end. *Nucleic Acids Res.* **9** (12):2717.

Ginell *et al.* (1978) Conformation of N²-methylguanosine, a modified nucleoside of tRNA. *Biochem. Biophys. Res. Commun.* **84** (4):886.

Chheda *et al.* (1969) Nucleosides in human urine. I. Isolation and identification of N²-dimethylguanosine, 1-methylinosine, and N²-methylguanosine from normal human urine. *J. Pharm. Sci.* **58** (1):75.