

**5'-Biotin-ApG**

Sodium salt

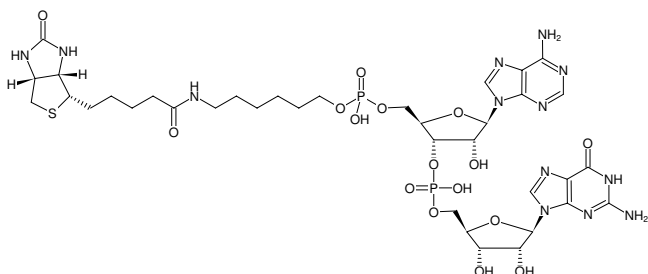
Cat. No.	Amount
NU-888-BIO-S	10 µl (100 mM)
NU-888-BIO-L	5 x 10 µl (100 mM)

**Applications:**

Initiator dinucleotide for the 5'-labeling of RNA by *in vitro* transcription<sup>[1]</sup>

**Selected References:**

[1] Pitulle *et al.* (1992) Initiator oligonucleotides for the combination of chemical and enzymatic RNA synthesis. *Gene*. **112** (1):101.



Structural formula of 5'-Biotin-ApG

**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:** C<sub>36</sub>H<sub>53</sub>N<sub>13</sub>O<sub>16</sub>P<sub>2</sub>S (free acid)

**Molecular Weight:** 1017.90 g/mol (free acid)

**Exact Mass:** 1017.29 g/mol (free acid)

**Purity:** ≥ 95 % (HPLC)

**Form:** filtered solution (30 kDa) in water

**Color:** colorless to slightly yellow

**Concentration:** 100 mM - 110 mM

**pH:** 7.5 ±0.5

**Spectroscopic Properties:** λ<sub>max</sub> 260 nm, ε 25.0 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)