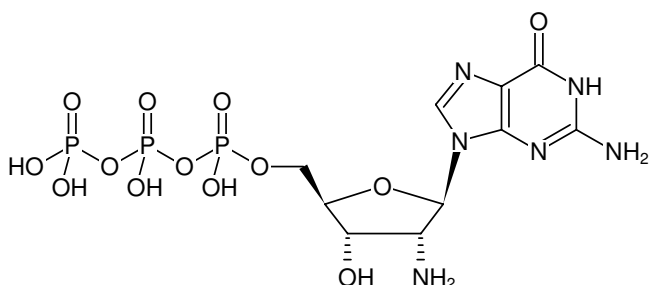


**2'NH<sub>2</sub>-dGTP**

2'-Amino-dGTP

2'-Amino-2'-deoxyguanosine-5'-triphosphate, Sodium salt

Cat. No.	Amount
NU-245S	50 µl (100 mM)
NU-245L	5 x 50 µl (100 mM)

Structural formula of 2'NH<sub>2</sub>-dGTP**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>10</sub>H<sub>17</sub>N<sub>6</sub>O<sub>13</sub>P<sub>3</sub> (free acid)**Molecular Weight:** 522.20 g/mol (free acid)**Exact Mass:** 522.01 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<sub>max</sub> 252 nm, ε 13.6 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl pH 7.5)**Selected References:**Govindan *et al.* (2012) P2Y receptor subtypes evoke different Ca<sup>2+</sup> signals in cultured aortic smooth muscle cells. *Purinergic Signalling* **8**:763.Lauridsen *et al.* (2012) Enzymatic recognition of 2'-modified ribonucleoside 5'-triphosphates: towards the evolution of versatile aptamers. *ChemBioChem* **13**:19.Kanwar *et al.* (2011) Chimeric aptamers in cancer cell-targeted drug delivery. *Crit. Rev. Biochem. Mol. Biol.* **46** (6):459.