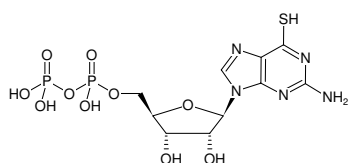


**6-Thio-GDP**

6-Thio-guanosine-5'-diphosphate, Sodium salt

Cat. No.	Amount
NU-1120S	50 µl (10 mM)
NU-1120L	5 x 50 µl (10 mM)



Structural formula of 6-Thio-GDP

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:** C₁₀H₁₅N₅O₁₀P₂S (free acid)**Molecular Weight:** 459.26 g/mol (free acid)**Exact Mass:** 459.00 g/mol (free acid)**CAS#:** 16541-19-8**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} 257 nm, ε 8.8 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5), λ_{max} 342 nm, ε 24.8 L mmol⁻¹ cm⁻¹ (Tris-HCl pH 7.5)**Selected References:**

Karner *et al.* (2010) Determination of 6-thioguanosine diphosphate and triphosphate and nucleoside diphosphate kinase activity in erythrocytes: novel targets for thiopurine therapy? *Ther. Drug Monit.* **32** (2):119.

Weng *et al.* (1994) Hydrogen bond interactions of G proteins with the guanine ring moiety of guanine nucleotides. *Protein Sci.* **1**:22.