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## Product Information

### Guanosine 5'-diphosphate sodium salt

Product Number **G 7127**  
Storage Temperature -0 °C

#### Product Description

Molecular Formula:  $C_{10}H_{15}N_5O_{11}P_2$   
Molecular Weight: 443.2  
CAS Number: 43139-22-6  
 $pK_a$ : 2.9; 6.3; 9.6<sup>1</sup>  
 $\lambda_{max}$ : 253 nm<sup>1</sup>  
Extinction coefficient:  $E^{mM} = 13.7$   
(0.1 M phosphate buffer, pH 7.0)

This product is a nucleotide derivative of guanine. It is involved in numerous intracellular cell signalling and energy transfer processes.

#### Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

#### Preparation Instructions

This product is soluble in water (100 mg/ml), resulting in a clear solution.

#### Storage/Stability

All guanosine phosphate derivatives are unstable and solutions should be made fresh immediately before use.

If left at room temperature, this product has a 1-2% decay per day.

#### References

1. Specifications and Criteria for Biochemical Compounds, 3rd ed., p. 169.

CMH/NSB 9/03

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