

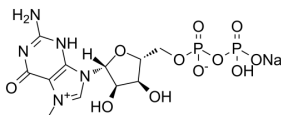
## 7-Methylguanosine 5'-diphosphate (sodium)

Cat. No.: HY-141472  
 CAS No.: 104809-16-7  
 Batch No.: 127050  
 Chemical Name: Guanosine 5'-(trihydrogen diphosphate), 7-methyl-, inner salt, monosodium salt

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{11}H_{16}N_5NaO_{11}P_2$   
 Molecular Weight: 479.21  
 Storage: -20°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 Purity:  $\geq 97.0\%$   
 Water (by Karl Fischer): 4%  
 Phosphorus (P) anhydrous: 10.9%  
 Sodium (Na) anhydrous: 8.2%  
 pH: 6.7  
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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