

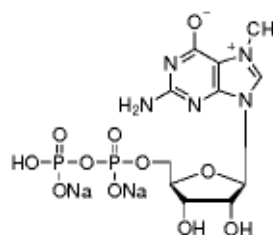
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## Product Specification

Product Name:  
7-Methylguanosine 5'-diphosphate sodium salt - ≥92.5%

**Product Number:** M5883  
**CAS Number:** 104809-16-7  
**MDL:** MFCD00057869  
**Formula:** C<sub>11</sub>H<sub>17</sub>N<sub>5</sub>O<sub>11</sub>P<sub>2</sub>·xNa<sup>+</sup>  
**Formula Weight:** 457.23 g/mol  
**Storage Temperature:** -20 °C



### TEST

### Specification

Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Very Faint Yellow
Solubility (Turbidity)	Clear to Very Slightly Hazy
50 mg/mL, H <sub>2</sub> O	
Water (by Karl Fischer)	≤ 10 %
Phosphorus (P) anhydrous	10.4 - 15.4 %
Sodium (Na) anhydrous	2.5 - 14.5 %
EmM	6.5 - 8.0
in pH 7.4	
Wavelength	278 - 282 nm
Purity (HPLC)	≥ 92.5 %

Specification: PRD.1.ZQ5.10000010634.000

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.