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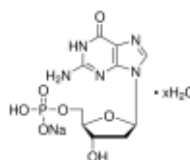
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## Product Specification

Product Name:  
2'-Deoxyguanosine 5'-monophosphate sodium salt hydrate - ≥99% (HPLC)

Product Number: D9500

MDL: MFCD00150780  
Formula: C<sub>10</sub>H<sub>14</sub>N<sub>5</sub>O<sub>7</sub>P·xNa<sup>+</sup>·yH<sub>2</sub>O  
Formula Weight: 347.22 g/mol  
Storage Temperature: -20 °C



TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/mL, H <sub>2</sub> O	
Water (by Karl Fischer)	≤ 13 %
(3 mol/mol)	
Solvent Content (by GC)	≤ 5 %
Phosphorus by ICP	7.9 - 9.6 %
Dry basis, free acid basis.	
Sodium (dry basis)	6.2 - 13.7 %
Purity by UV	≥ 90 %
Dry basis, free acid basis	
Based on Emm= 13.8 in 0.1 M phosphate pH 7.0	
Wavelength	251 - 253 nm
Purity (HPLC)	≥ 98.5 %

Specification: PRD.1.ZQ5.10000033391

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.