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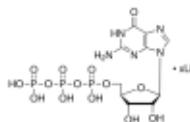
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## Product Specification

Product Name:  
Guanosine 5'-triphosphate lithium salt - ~95% (HPLC), powder

**Product Number:** G5884  
**CAS Number:** 85737-04-8  
**MDL:** MFCD00070012  
**Formula:** C<sub>10</sub>H<sub>16</sub>N<sub>5</sub>O<sub>14</sub>P<sub>3</sub> · xLi<sup>+</sup>  
**Formula Weight:** 523.18 g/mol  
**Storage Temperature:** -20 °C



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
100 mg/ml, H <sub>2</sub> O	
Proton NMR spectra	Conforms to Structure
Water (by NMR)	≤ 13.0 %
Phosphorus (P)	14.0 - 16.1 %
as is	
Lithium (Li)	1.1 - 4.3 %
as is	
Purity (HPLC)	≥ 92.5 %
EmM	12.1 - 13.8
free acid, as is	
Wavelength	252 - 254 nm
at pH 7.0	
Note	-----
The formula and formula weight are for the free acid	
Recommended Retest Period	-----
2 years	

Specification: PRD.3.ZQ5.10000048314

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.