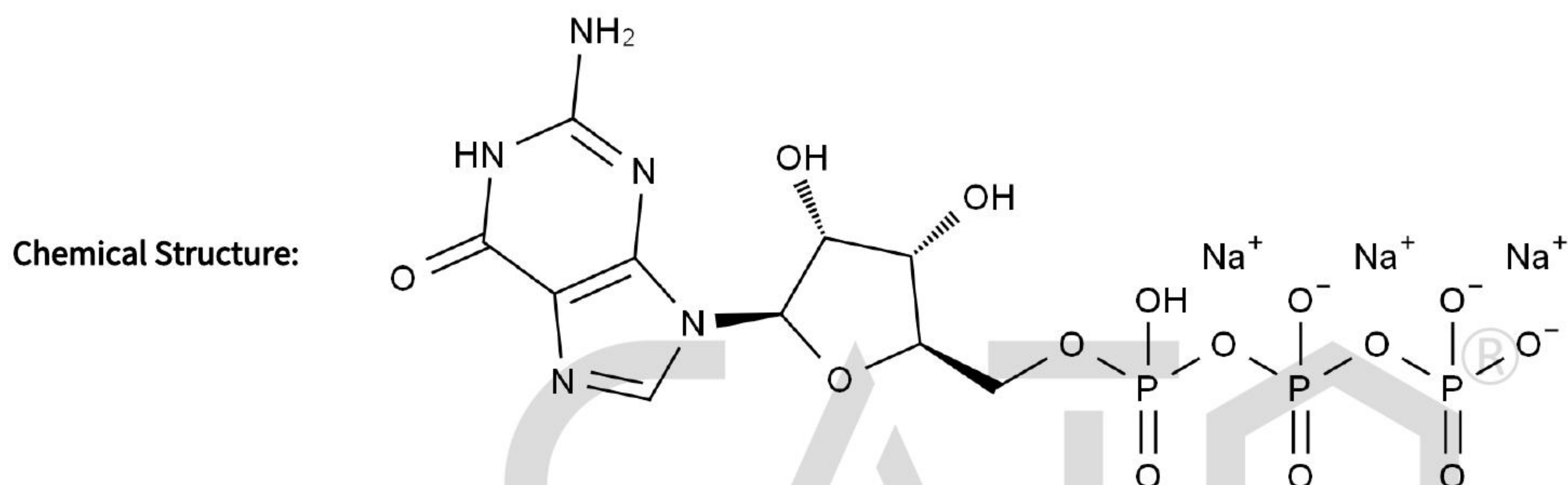


Certificate of Analysis

Reference Material

Product Name:	Guanosine-5'-triphosphate Trisodium Salt	Catalogue Number:	C4X-214917
Chemical Name:	N/A	Lot Number:	0705-RE-0012
CAS Number:	36051-31-7	Expiry Date:	Jul 24, 2026
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₁₄ P ₃ 3*Na	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	520.16 3*22.99		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	89.209%
Loss On Drying	TGA	7.4541%
Assay(free base)		72.9%
Assay		82.6%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Aporoved by General manager:

David

Date: Jul 25, 2023

Date: Jul 25, 2023

Date: Jul 25, 2023

