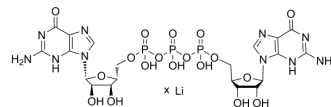


Diguanosine 5'-triphosphate lithium

Cat. No.:	HY-139099A
Molecular Formula:	C ₂₀ H ₂₇ N ₁₀ O ₁₈ P ₃ ·xLi
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Diguanosine 5'-triphosphate (Gp3G) lithium is a dinucleoside triphosphates. Diguanosine 5'-triphosphate lithium also is a virus-specific oligonucleotide. Diguanosine 5'-triphosphate lithium is needed for the synthesis of RNA during the transcription process^{[1][2]}.

REFERENCES

- [1]. M Yamakawa, et al. Priming of reovirus transcription by GppppG and formation of CpG(5')GpC. Proc Natl Acad Sci U S A. 1982 Oct;79(20):6142-6.
- [2]. Emmanuel Klein, et al. Synthesis of enzymatically and chemically non-hydrolyzable analogues of dinucleoside triphosphates Ap(3)A and Gp(3)G. J Org Chem. 2002 Jan 11;67(1):146-53.

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

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