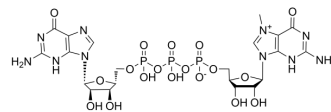


## 7-Methyl-diguanosine triphosphate

Cat. No.:	HY-139098
CAS No.:	62828-64-2
Molecular Formula:	C <sub>21</sub> H <sub>29</sub> N <sub>10</sub> O <sub>18</sub> P <sub>3</sub>
Molecular Weight:	802.43
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

7-Methyl-diguanosine triphosphate (m7Gp3G) is a cap analog that can be incorporated into mRNA. 7-Methyl-diguanosine triphosphate is involved in translation and mRNA degradation in mammalian cells<sup>[1]</sup>.

### REFERENCES

[1]. Ewa Grudzien, et al. Differential inhibition of mRNA degradation pathways by novel cap analogs. J Biol Chem. 2006 Jan 27;281(4):1857-67.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA