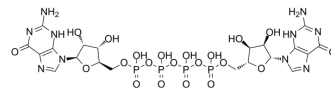


## GP4G

Cat. No.:	HY-137680
CAS No.:	4130-19-2
Molecular Formula:	C <sub>20</sub> H <sub>28</sub> N <sub>10</sub> O <sub>21</sub> P <sub>4</sub>
Molecular Weight:	868.39
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	GP4G (Diguanoside tetraphosphate) is a symmetrical bis-diphospho nucleoside that can be isolated from the cysts of <i>Artemia salina</i> . GP4G is an epithelial cell and hair growth regulator <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite								
<b>In Vitro</b>	GP4G enters HeLa and fibroblast cells, with a hyperbolic saturation profile inducing an increase in the viabilities of HeLa and fibroblast cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
<b>In Vivo</b>	GP4G (about 1 mL, topically applied to the dorsal region, daily, over a period of 28 days) favors hair growth of Wistar rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.								
	<table border="1"> <tr> <td>Animal Model:</td> <td>Wistar rats (n = 5)<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>About 1 mL of the product was applied daily with a cotton swab over a period of 28 days.</td> </tr> <tr> <td>Administration:</td> <td>Topically applied to the dorsal region (8 cm<sup>2</sup>, shaved), daily with a cotton swab over a period of 28 days.</td> </tr> <tr> <td>Result:</td> <td>Favored hair growth.</td> </tr> </table>	Animal Model:	Wistar rats (n = 5) <sup>[1]</sup>	Dosage:	About 1 mL of the product was applied daily with a cotton swab over a period of 28 days.	Administration:	Topically applied to the dorsal region (8 cm <sup>2</sup> , shaved), daily with a cotton swab over a period of 28 days.	Result:	Favored hair growth.
Animal Model:	Wistar rats (n = 5) <sup>[1]</sup>								
Dosage:	About 1 mL of the product was applied daily with a cotton swab over a period of 28 days.								
Administration:	Topically applied to the dorsal region (8 cm <sup>2</sup> , shaved), daily with a cotton swab over a period of 28 days.								
Result:	Favored hair growth.								

### REFERENCES

[1]. Te Velthuis AJ, et al. Influenza virus RNA polymerase: insights into the mechanisms of viral RNA synthesis. *Nat Rev Microbiol.* 2016 Aug;14(8):479-93.

**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