

Big Gastrin I (human) (TFA)

Cat. No.:	HY-P3446A
Molecular Formula:	C ₁₇₈ H ₂₅₂ F ₃
Molecular Weight:	3963.21
Sequence Shortening:	{Glp}LGPQGPPHLVADPSKKQGPWLEEEEEAYGWMDF-NH2
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

BIOLOGICAL ACTIVITY

Description	Big Gastrin I, human (TFA) is a gastrointestinal hormone consisting of 34 amino acids. Big Gastrin I, human (TFA) can be used as a potential substance for the study of cancer, autoimmune diseases, fibrotic diseases, inflammatory diseases, neurological diseases or cardiovascular diseases ^[1] .																
In Vitro	<p>Big Gastrin I, human (TFA) (10 µg/mL, 6 days) inhibits 11.3% of HBV replication in HepG2 cells containing the hepatitis B virus (HBV) ayw strain genome and maintains cell viability at 88.7%^[1].</p> <p>Big Gastrin I, human (TFA) (10 µg/mL, 24 h) can arrest cells mainly in G0/G1 phase and induces apoptosis in human A549 cells^[1].</p> <p>Big Gastrin I, human (TFA) (10 µg/mL, 22 h) can inhibit 35% of cell migration in human endothelial cells (HUVEC)^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cycle Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Human A549 cells</td> </tr> <tr> <td>Concentration:</td> <td>10 µg/mL</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Resulted in 55.9% cells stalled in G0/G1 phase, 34.1% cells stalled in S phase and 10% cells stalled in G2/M phase.</td> </tr> </table> <p>Apoptosis Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Human A549 cells</td> </tr> <tr> <td>Concentration:</td> <td>10 µg/mL</td> </tr> <tr> <td>Incubation Time:</td> <td>24 hours</td> </tr> <tr> <td>Result:</td> <td>Induced 1.1% cells apoptosis.</td> </tr> </table>	Cell Line:	Human A549 cells	Concentration:	10 µg/mL	Incubation Time:	24 hours	Result:	Resulted in 55.9% cells stalled in G0/G1 phase, 34.1% cells stalled in S phase and 10% cells stalled in G2/M phase.	Cell Line:	Human A549 cells	Concentration:	10 µg/mL	Incubation Time:	24 hours	Result:	Induced 1.1% cells apoptosis.
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REFERENCES

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

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