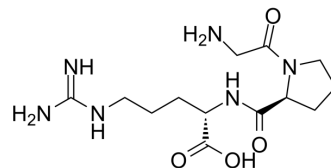


GPR

Cat. No.:	HY-P3528
CAS No.:	47295-77-2
Molecular Formula:	C ₁₃ H ₂₄ N ₆ O ₄
Molecular Weight:	328.37
Sequence Shortening:	GPR
Target:	Caspase; Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GPR is a three amino acid peptide. GPR can rescue cultured rat hippocampal neurons from A β -induced neuronal death by inhibiting caspase-3/p53 dependent apoptosis. GPR can be used for the research of Alzheimer's disease (AD).								
In Vitro	<p>GPR (1-100 μM; 24 h, 48 h) prevented Aβ-mediated increase in lactate dehydrogenase (LDH) release^[1].</p> <p>GPR (50 μM; 24 h, 48 h) prevents Ah-mediated inhibition of neuronal MTT reduction^[1].</p> <p>GPR (50 μM; 3 days) prevents Aβ-mediated increase in p53-positive cells^[1].</p> <p>GPR (50 μM; 24 h) effectively prevented the Aβ-mediated activation of caspase-3^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Apoptosis Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>p53-positive cells</td> </tr> <tr> <td>Concentration:</td> <td>50 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>3 days</td> </tr> <tr> <td>Result:</td> <td>Inhibited Ah-induced increase in numbers of p53-positive neurons.</td> </tr> </table>	Cell Line:	p53-positive cells	Concentration:	50 μ M	Incubation Time:	3 days	Result:	Inhibited Ah-induced increase in numbers of p53-positive neurons.
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Concentration:	50 μ M								
Incubation Time:	3 days								
Result:	Inhibited Ah-induced increase in numbers of p53-positive neurons.								

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

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