

Mitogenic Pentapeptide

Cat. No.:	HY-148663
CAS No.:	87173-03-3
Molecular Formula:	C ₆₇ H ₁₂₄ N ₆ O ₁₄ S
Molecular Weight:	1269.8
Sequence:	{Palmitoyl}-{Cys((RS)-2,3-di(palmitoyloxy)-propyl)}-Ser-Ser-Asn-Ala
Sequence Shortening:	{Palmitoyl}-{Cys((RS)-2,3-di(palmitoyloxy)-propyl)}-SSNA
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Mitogenic Pentapeptide (Tripalmitoyl pentapeptide) is an effective activator of B lymphocyte mitogen and polyclonal. Mitogen Pentapeptide is a synthetic N-terminal analog of E. coli outer membrane lipoproteins (cysteiny-seryl-seryl-asparaginy-alanine). Mitogenic Pentapeptide can be used for the study of immune adjuvants ^{[1][2]} .
IC ₅₀ & Target	B lymphocyte mitogen; Polyclonal ^[2]

REFERENCES

- [1]. Bessler WG, et al. Synthetic lipopeptide analogs of bacterial lipoprotein are potent polyclonal activators for murine B lymphocytes. *J Immunol.* 1985 Sep;135(3):1900-5.
- [2]. Lex A, et al. A synthetic analogue of Escherichia coli lipoprotein, tripalmitoyl pentapeptide, constitutes a potent immune adjuvant. *J Immunol.* 1986 Oct 15;137(8):2676-81.

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

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