

S6 peptide

Cat. No.:	HY-P3054
CAS No.:	93674-74-9
Molecular Formula:	C ₃₉ H ₇₅ N ₁₇ O ₁₁
Molecular Weight:	958.12
Sequence Shortening:	RRLSSLRA
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	S6 peptide is a potentially important lamin kinase. S6 peptide is involved in the process of cardiac hypertrophy induced by mechanical loading. S6 peptide can be activated by many kinds of growth factors ^[1] .
In Vitro	S6 peptide (50 µg) activity is increased by primary cardiac myocyte stretching (isolated from ventricles of 1-day-old Wistar rats), which may play an important role in the induction of the specific genes and the increase in the protein synthesis ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yamazaki T, et al. Mechanical loading activates mitogen-activated protein kinase and S6 peptide kinase in cultured rat cardiac myocytes. J Biol Chem. 1993 Jun 5;268(16):12069-76.

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

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