

N-myristoyl-RKRTLRL

Cat. No.:	HY-P5988
CAS No.:	152246-40-7
Molecular Formula:	C ₆₀ H ₁₁₇ N ₂₁ O ₁₁
Molecular Weight:	1308.71
Sequence:	{Myr}-Arg-Lys-Arg-Thr-Leu-Arg-Arg-Leu
Sequence Shortening:	{Myr}-RKRTLRL
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

N-myristoyl-RKRTLRL inhibits binding of PKC substrates. N-myristoyl-RKRTLRL inhibits Ca²⁺- and phosphatidylserine (PS)-dependent histone phosphorylation with IC₅₀ of 5 μM. histone phosphorylation with IC₅₀ of 80 μM^{[1][2]}.

REFERENCES

[1]. David K Crockett, et al. Identification of proteins from formalin-fixed paraffin-embedded cells by LC-MS/MS. Lab Invest. 2005 Nov;85(11):1405-15.

[2]. C A O'Brian, et al. A novel N-myristylated synthetic octapeptide inhibits protein kinase C activity and partially reverses murine fibrosarcoma cell resistance to Adriamycin. Invest New Drugs. 1991 May;9(2):169-79.

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

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