

Phosphate acceptor peptide

Cat. No.:	HY-P3770
CAS No.:	93511-94-5
Molecular Formula:	C ₄₁ H ₇₄ N ₁₆ O ₁₁
Molecular Weight:	967.13
Sequence Shortening:	RRKASGPPV
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Phosphate acceptor peptide is a substrate for cAMP-dependent protein kinase (PKA). phosphate acceptor peptide is also a weak PKC inhibitor ^[1] .
In Vitro	Phosphate acceptor peptide is a very weak PKC inhibitor, when at 3.5 mM, inhibits PKC by less than 30% in assays containing 6, 12, 24, or 32pM histone III-S ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. O'Brian CA, et al. Protein kinase C phosphorylates the synthetic peptide Arg-Arg-Lys-Ala-Ser-Gly-Pro-Pro-Val in the presence of phospholipid plus either Ca²⁺ or a phorbol ester tumor promoter. Biochem Biophys Res Commun. 1984 Oct 15;124(1):296-302.

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

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