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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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smMLCK peptide

Cat. No.:	HY-P10346
CAS No.:	172960-20-2
Molecular Formula:	C ₉₈ H ₁₆₈ N ₃₈ O ₂₅
Molecular Weight:	2278.62
Sequence:	Ala-Arg-Arg-Lys-Trp-Gln-Lys-Thr-Gly-His-Ala-Val-Arg-Ala-Ile-Gly-Arg-Leu-Ser-Ser
Sequence Shortening:	ARRKWQKTGHAVRAIGRLSS
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

smMLCK peptide is a specific inhibitor of smooth muscle myosin light chain kinase (smMLCK). The smMLCK peptide mimics the substrate and competitively inhibits the binding of the actual substrate to the enzyme, thereby inhibiting the kinase activity. This inhibition prevents the phosphorylation of the myosin light chain, thus inhibiting muscle contraction^[1].

REFERENCES

[1]. Hoffman L, et al. Relative Cosolute Size Influences the Kinetics of Protein-Protein Interactions. *Biophys J.* 2015 Aug 4;109(3):510-20.

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

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