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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Ziptide

Cat. No.:	HY-P10367
CAS No.:	518069-98-2
Molecular Formula:	C ₆₅ H ₁₀₉ N ₁₉ O ₁₉
Molecular Weight:	1460.68
Sequence:	Lys-Lys-Leu-Asn-Arg-Thr-Leu-Ser-Phe-Ala-Glu-Pro-Gly
Sequence Shortening:	KKLNRTLSFAEPG
Target:	MAPKAPK2 (MK2); Checkpoint Kinase (Chk); AMPK
Pathway:	MAPK/ERK Pathway; Cell Cycle/DNA Damage; Epigenetics; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Ziptide is a substrate for MAPK activated protein kinase 2 (MAPKAPK2, $K_m = 5 \mu\text{M}$), MAPKAPK3 ($K_m = 30 \mu\text{M}$), PARK ($K_m = 40 \mu\text{M}$), checkpoint kinase 1 (Chk1, $K_m = 5 \mu\text{M}$), AMP-activated protein kinase (AMPK, $K_m = 75 \mu\text{M}$), and calcium/calmodulin-dependent protein kinase II (CamKII, $K_m = 300 \mu\text{M}$)^[1].

REFERENCES

[1]. Ross, H., et al. A non-radioactive method for the assay of many serine/threonine-specific protein kinases. *Biochem J.* 366(Pt 3), 977-981 (2002).

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

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