

Substance P (alligator)

Cat. No.:	HY-P3885
CAS No.:	113516-47-5
Molecular Formula:	$C_{63}H_{98}N_{20}O_{13}S$
Molecular Weight:	1375.64
Sequence Shortening:	RPRPQQFFGLM-NH2
Target:	Neurokinin Receptor; Endogenous Metabolite
Pathway:	GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Substance P (alligator), a Substance P (Substance P (HY-P0201)) extracted from alligator, is a neuropeptide. The primary structure of Substance P (alligator) is: Arg-Pro-Arg-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH2 ^[1] .
In Vitro	The amino acid sequence of Substance P (alligator) is the same as that from the chicken. Substance P (alligator) shows one substitution (Arg for Lys3) as compared with mammalian Substance P ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Y Wang, et al. Structural characterization of tachykinins (neuropeptide gamma, neurokinin A, and substance P) from a reptile, Alligator mississippiensis. Gen Comp Endocrinol. 1992 Nov;88(2):277-86.

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

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