

Substance P (5-11)

Cat. No.:	HY-P3890
CAS No.:	51165-09-4
Molecular Formula:	C ₄₁ H ₆₀ N ₁₀ O ₉ S
Molecular Weight:	869.04
Sequence:	Gln-Gln-Phe-Phe-Gly-Leu-Met-NH2
Sequence Shortening:	QQFFGLM-NH2
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Substance P (5-11), the C-terminal heptapeptide of Substance P (Substance P (HY-P0201)), is a neuropeptide. Substance P (5-11) binds to NK-1 tachykinin receptor ^[1] .
In Vitro	When a fraction from rabbit brain enriched in glial cells was incubated with [³ H]Substance P (5-11), an uptake of [³ H]Substance P (5-11) is observed. When Substance P is released from nerve terminals, it is hydrolysed into Substance P (5-11), which is in turn accumulated into glial cells as well as nerve terminals and that this high affinity uptake mechanism may play an important role in terminating the synaptic action of Substance P ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. A Inoue, et al. Active uptake system for substance P carboxy-terminal heptapeptide (5-11) into a fraction from rabbit enriched in glial cells. Jpn J Pharmacol. 1984 Oct;36(2):137-45.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA