

## [D-Pro4,D-Trp7,9,Nle11] Substance P (4-11)

Cat. No.:	HY-P3805
CAS No.:	89430-34-2
Molecular Formula:	C <sub>58</sub> H <sub>77</sub> N <sub>13</sub> O <sub>10</sub>
Molecular Weight:	1116.31
Sequence Shortening:	pQQWFWL-Nle-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

<b>Description</b>	[D-Pro4,D-Trp7,9,Nle11] Substance P (4-11) is a potent neurokinin NK1 antagonist. [D-Pro4,D-Trp7,9,Nle11] Substance P (4-11) inhibits the effects of gold-protein-substance P (GPSP) and substance P (SP) <sup>[1]</sup> .
<b>In Vitro</b>	[D-Pro4,D-Trp7,9,Nle11] Substance P (4-11) (100 nM) dose not exert a direct relaxant or contractile effect, but significantly reduces the vasodilatation induced by SP and GPSP <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Cathieni M M, et al. Pharmacological Evidence that Gold-Protein-Substance P Complex Activates Neurokinin NK1 Receptors[J]. Cellular Physiology & Biochemistry, 1995, 5(2):85-95.

**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