

Product Information

Product ID E4416

CAS No. 69-25-0

Chemical Name

Synonym Eledone peptide.

Formula C₅₄H₈₅N₁₃O₁₅S

Formula Wt. 1188.44

Melting Point

Purity ≥95%

Solubility Soluble in water (0.2 mg/mL), DMSO.

Store Temp -20°C

Ship Temp Ambient

Description Eledoisin is a tachykinin analog of substance P. Eledoisin binds neurokinin receptors, exhibiting vasodilatory and bronchoconstrictive activities. At low doses, eledoisin stimulates gastric acid secretion; at high doses, this process is inhibited. Eledoisin causes vasodilation in vivo and induces gastric contractions. Additionally, this peptide contracts smooth muscles, such as those in the bladder.

pGlu-Pro-Ser-Lys-Asp-Ala-Phe-Ile-Gly-Leu-Met-NH₂

Bulk quantities available upon request

Product ID	Size
E4416	1 mg
E4416	2 mg
E4416	5 mg

References Tucci P, Bolle P, Severini C. Effects of natural tachykinins on ovine lower urinary tract smooth muscle. J Auton Pharmacol. 2001 Apr;21(2):79-84. PMID: 11679016.

Ito S, Ohta T, Honda H, et al. Gastric vasodilator and motor responses to splanchnic stimulation and tachykinins in the dog. Gen Pharmacol. 1993 Mar;24(2):291-8. PMID: 7683299.

Holstein B, Cederberg C. Effects of tachykinins on gastric acid and pepsin secretion and on gastric outflow in the Atlantic cod, Gadus morhua. Am J Physiol. 1986 Mar;250(3 Pt 1):G309-15. PMID: 2420206.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.