



LKT Laboratories, Inc.

Eledoisin Related Peptide

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID E4417

CAS No. 2990-43-4

Chemical Name

Synonym ERP

Formula $C_{34}H_{58}N_8O_6S$

Formula Wt. 706.96

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description Eledoisin-related peptide (ERP) is a tachykinin analog of substance P. ERP binds neurokinin receptors, exhibiting analgesic and bronchoconstrictive activities. ERP alters pain thresholds in animal models of thermal pain. In other animal models, this peptide induces bronchoconstriction through direct activity on airway smooth muscle. Additionally, ERP inhibits M-currents and stimulates gastric acid secretion in vivo.

H-Lys-Phe-Ile-Gly-Leu-Met-NH₂

Bulk quantities available upon request

Product ID	Size
E4417	5 mg
E4417	10 mg
E4417	25 mg

References Clint BD, Lipton JM, Giesecke AH Jr. Analgesic and cardiovascular effects of centrally administered substance P. Peptides. 1988 May-Jun;9(3):619-23. PMID: 2458573.

Goel V, Biggs DF. [Comparison of the bronchoconstrictor and cardiovascular effects of some tachykinins in guinea pigs](#). Life Sci. 1987 Mar 9;40(10):1007-15. PMID: 2434817.

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.