



LKT Laboratories, Inc.

Ranatensin

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

Product Information

Product ID R0250

CAS No. 29451-71-6

Chemical Name Pyroglutamyl-valyl-prolyl-glutaminy-tryptophyl-alanyl-valyl-glycyl-histidyl-phenylalanyl-methionylamide

Synonym

Formula C₆₁H₈₅N₁₆O₁₃S

Formula Wt. 1281.5

Melting Point

Purity ≥98%

Solubility

pGlu-Val-Pro-Gln-Trp-Ala-Val-Gly-His-Phe-Met-NH₂

Product ID	Size
R0250	1 mg
R0250	2 mg
R0250	5 mg

Store Temp -20° C

Ship Temp Ambient

Description Ranatensin is a peptide originally found in amphibian skin that exhibits gastrointestinal motility modulating activity. Ranatensin stimulates Cl⁻ secretion in the jejunum in a GRP-related manner. Ranatensin also stimulates secretion of gastrin, pancreatic polypeptide, and gastric acid in animal models.

References Chandan R, Newell SM, Brown DR. Actions of gastrin-releasing peptide and related mammalian and amphibian peptides on ion transport in the porcine proximal jejunum. *Regul Pept.* 1988 Oct;23(1):1-14. Erratum in: *Regul Pept* 1989 Mar;24(3):312. PMID: 3238049.

Modlin IM, Lamers CB, Walsh JH. Stimulation of canine pancreatic polypeptide, gastrin, and gastric acid secretion by ranatensin, litorin, bombesin nonapeptide and substance P. *Regul Pept.* 1981 Jan;1(4):279-88. PMID: 6166964.

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