



Product Information

Product ID X1753

CAS No. 51827-01-1

Chemical Name

Synonym

Formula $C_{47}H_{73}N_{13}O_{10}$

Formula Wt. 980.19

Melting Point

Purity $\geq 95\%$

Solubility Soluble in DMSO, water.

Store Temp -20°C

Ship Temp Ambient

Description Xenopsin is a neurotensin-related octapeptide hormone originally found in amphibians. Xenopsin exhibits anti-inflammatory activity, decreasing vascular leakage in animal models of edema/inflammation. Xenopsin also increases firing rates of dopaminergic neurons. In ileal smooth muscle cells, xenopsin induces relaxation. Xenopsin also increases insulin release in pancreatic B-cells and stimulates meal-dependent exocrine pancreatic secretion.

pGlu-Gly-Lys-Arg-Pro-Trp-Ile-Leu-OH

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
X1753	1 mg	\$63.00
X1753	2 mg	\$107.00
X1753	5 mg	\$189.00

References Zahid OK, Mechkarska M, Ojo OO, et al. Caerulein-and xenopsin-related peptides with insulin-releasing activities from skin secretions of the clawed frogs, *Xenopus borealis* and *Xenopus amieti* (Pipidae). *Gen Comp Endocrinol.* 2011 Jun 1;172(2):314-20. PMID: 21458457.

Clemens A, Katsoulis S, Nustede R, et al. Relaxant effect of xenin on rat ileum is mediated by apamin-sensitive neurotensin-type receptors. *Am J Physiol.* 1997 Jan;272(1 Pt 1):G190-6. PMID: 9038893.

Gao GC, Wei ET. Xenopsin, neurotensin, neurotensin(8-13) and N-acetyl-neurotensin(8-13) inhibit vascular leakage in rats after tissue injury. *J Pharmacol Exp Ther.* 1993 May;265(2):619-25. PMID: 8496813.

Feurle GE, Hamscher G, Kusiek R, et al. Identification of xenin, a xenopsin-related peptide, in the human gastric mucosa and its effect on exocrine pancreatic secretion. *J Biol Chem.* 1992 Nov 5;267(31):22305-9. PMID: 1429581.

Pozza MF, Küng E, Bischoff S, et al. The neurotensin analog xenopsin excites nigral dopamine neurons. *Eur J Pharmacol.* 1988 Jan 19;145(3):341-3. PMID: 3350051.

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