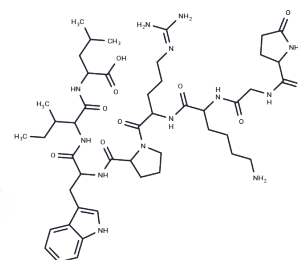


Xenopsin

Chemical Properties

CAS No. :	51827-01-1
Formula:	C47H73N13O10
Molecular Weight:	980.16
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Xenopsin (Xenopsin(2TFA))(2TFA) is a neurotensin-like octapeptide previously isolated from amphibian skin.
Targets(IC50)	Others, Neurotensin Receptor
In vivo	The octapeptide xenopsin, previously isolated from amphibian skin, stimulates exocrine pancreatic secretion of bicarbonate and protein in conscious dogs and increases the volume of secretion. This effect is shown in the dose range of 1.25 up to 160 pmoles kg ⁻¹ min ⁻¹ . The high potency of this peptide is suggestive of a possible physiological role of xenopsin in mammals[1].

Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0202 mL	5.1012 mL	10.2024 mL
5 mM	0.204 mL	1.0202 mL	2.0405 mL
10 mM	0.102 mL	0.5101 mL	1.0202 mL
50 mM	0.0204 mL	0.102 mL	0.204 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Feurle G E , I Baća, Knauf W , et al. Xenopsin stimulates exocrine pancreatic secretion in the dog[J]. *Experientia*, 1982, 38(6):679-680.

Zinner M J , Kasher F , Modlin I M , et al. Effect of xenopsin on blood flow, hormone release, and acid secretion[J]. *The American journal of physiology*, 1982, 243(3):G195-9.

Sures I, et al. Xenopsin: the neurotensin-like octapeptide from *Xenopus* skin at the carboxyl terminus of its precursor. *Proc Natl Acad Sci U S A*. 1984 Jan;81(2):380-4.

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