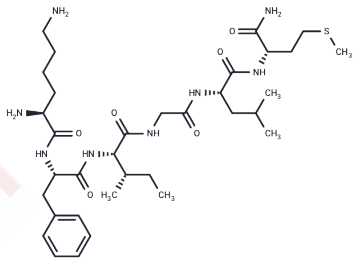
Data Sheet (Cat.No.T7631)

TargetMol

Eledoisin Related Peptide

Chemical Properties



CAS No. : 2990-43-4

Formula: C34H58N8O6S

Molecular Weight: 706.94

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Eledoisin Related Peptide (Eledoisin RP) is a tachykinin receptor ligand.
Targets(IC50)	Neurokinin receptor
In vivo	Substance P and eledoisin-related peptide had excitatory effects on respiratory neurones and reflex interneurones, but compared with glutamate-induced effects the excitation was slower in onset and more prolonged in after-discharge.?Both rhythmic and evoked activity could be facilitated, and the magnitude of the effect varied directly with the magnitude of the ejecting current.?In showing that both glutamate and substance P (and its analogue, eledoisin-related peptide) have excitatory effects on the activity of respiratory neurones and reflex interneurones[1].

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4145 mL	7.0727 mL	14.1455 mL
5 mM	0.2829 mL	1.4145 mL	2.8291 mL
10 mM	0.1415 mL	0.7073 mL	1.4145 mL
50 mM	0.0283 mL	0.1415 mL	0.2829 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

Severini C, et al. The tachykinin peptide family. Pharmacol Rev. 2002 Jun;54(2):285-322.
Guyenet P G , Aghajanian G K . Excitation of neurons in the nucleus locus coeruleus by substance P and related peptides[J]. Brain Research, 1977, 136(1):178-184.
Henry J L , Sessle B J . Effects of glutamate, substance P and eledoisin-related peptide on solitary tract neurones involved in respiration and respiratory reflexes[J]. Neuroscience, 1985, 14(3):863-873.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481