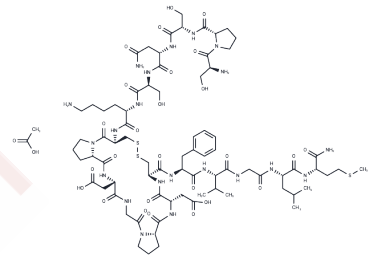
Data Sheet (Cat.No.TP1851L)

TargetMol

Scyliorhinin II acetate

Chemical Properties



CAS No. :

Formula: C79H123N21O28S3

Molecular Weight: 1911.14

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	Scyliorhinin II acetate is a selective agonist of the neurokinin-3 (NK3) receptor (Ki = 2.5 nM) in rat cerebral cortex.
Targets(IC50)	Neurokinin receptor
In vitro	Scyliorhinin II acetate has little effect on NK1 and NK2 receptors. The Ki values for NK1/NK3 and NK2/NK3 are 176 and 200, respectively[2].
In vivo	In mice, Scyliorhinin II acetate(i.c.v.) produced potent and dose-related reciprocal hindlimb scratching about equipotently (ED50 = 0.08 nmol)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5232 mL	2.6162 mL	5.2325 mL
5 mM	0.1046 mL	0.5232 mL	1.0465 mL
10 mM	0.0523 mL	0.2616 mL	0.5232 mL
50 mM	0.0105 mL	0.0523 mL	0.1046 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

Raffa RB, et al. Scyliorhinin-I and -II induce reciprocal hindlimb scratching in mice: differentiation of spinal and supraspinal neurokinin receptors in vivo. Neurosci Lett. 1993 Aug 6;158(1):87-91.

Buck SH, et al. The dogfish peptides scyliorhinin I and scyliorhinin II bind with differential selectivity to mammalian tachykinin receptors. Eur J Pharmacol. 1987 Nov 24;144(1):109-11.

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