

## Scyliorhinin II

**Chemical Properties**

CAS No.:	112748-19-3
Formula:	C77H119N21O26S3
Molecular Weight:	1851.09
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Scyliorhinin II, a cyclic Tachykinin peptide, is a potent NK3 receptor agonist.
In vitro	Scyliorhinin II is a neurokinin-3 selective tachykinin receptor, with a Ki of 2.5 nM for neurokinin-3 (NK-3) receptor in rat cerebral cortex. Scyliorhinin II has little effect on NK-1 and NK-2 receptors, with Ki (NK-1 receptor)/Ki (NK-3 receptor) and Ki (NK-2 receptor)/Ki (NK-3 receptor) of 176 and 200[1].
In vivo	Scyliorhinin II produces potent, dose-related reciprocal hindlimb scratching about equipotently with an ED50 of 0.08 nmol via intracerebroventricularly (i.c.v.) administration in mice[2].

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.54 mL	2.701 mL	5.402 mL
5 mM	0.108 mL	0.54 mL	1.08 mL
10 mM	0.054 mL	0.27 mL	0.54 mL
50 mM	0.011 mL	0.054 mL	0.108 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.
2. 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.

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