
Product Data Sheet

Product Name: Scyliorhinin II

Cat. No.: GC31198

Chemical Properties

Cas. No. 112748-19-3

SMILES Ser-Pro-Ser-Asn-Ser-Lys-Cys-Pro-Asp-Gly-Pro-Asp-Cys-Phe-Val-Gly-Leu-Met-NH2

Formula C₇₇H₁₁₉N₂₁O₂₆S₃ M.Wt 1851.09

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Scyliorhinin II is a selective neurokinin-3 receptor agonist, with a K_i of 2.5 nM for neurokinin-3 receptor in rat cerebral cortex.

Scyliorhinin II is a neurokinin-3 selective tachykinin receptor, with a K_i 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 K_i (NK-1 receptor)/ K_i (NK-3 receptor) and K_i (NK-2 receptor)/ K_i (NK-3 receptor) of 176 and 200[1].

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].

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Neurosci Lett. 1993 Aug 6;158(1):87-91.

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