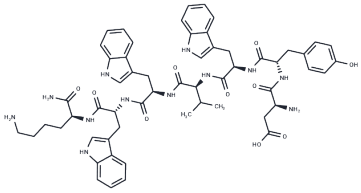
Data Sheet (Cat.No.T16038)

TargetMol
YOUR TARGET MOLECULES

Men 10376

Chemical Properties



CAS No. : 135306-85-3

Formula: C57H68N12O10

Molecular Weight: 1081.22

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Men 10376 is a selective antagonist of tachykinin NK-2 receptor. It has a Ki of 4.4 μM for rat small intestine NK-2 receptor.
Targets(IC50)	CDK
In vitro	Men 10376 is a selective tachykinin NK-2 receptor (Ki: 4.4 μM). Men 10376 displays no effect on NK-3 receptor (Ki, >10 μM). It also displays low selectivity for NK-1 and NK-3 receptors (Ki, >10 μM)[1]. Men 10376 shows pA2s of 5.66 and 8.08 for NK-1 (guinea-pig ileum) and NK-2 receptors (endothelium-deprived rabbit pulmonary artery). [2].
In vivo	Men 10376 (1 and 3 μmol/kg; in rats) antagonizes an enhance in bladder motility produced by the NK-2 receptor agonist [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9249 mL	4.6244 mL	9.2488 mL
5 mM	0.185 mL	0.9249 mL	1.8498 mL
10 mM	0.0925 mL	0.4624 mL	0.9249 mL
50 mM	0.0185 mL	0.0925 mL	0.185 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.

Reference

Quartara L, et al. N-terminal truncated analogs of men 10376 as tachykinin NK-2 receptor antagonists. Life Sci. 1992;51(25):1929-36.

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