Data Sheet (Cat.No.TP1086)



Men 10376 TFA(135306-85-3, free)

Ch	emi	cal	Pro	pert	ies

CAS No. :	TP1086	
Formula:	C59H69F3N12O12	Q
Molecular Weight:	1195.25 الله المعالية م	
Appearance:	no data available	Nec .
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological Description

Description	Men 10376 TFA(135306-85-3,free) (Neurokinin-2 receptor antagonist TFA) is an effective and selective tachykinin nk-2 receptor antagonist with a K I value of 4.4 M for the nk-2 receptor in the small intestine of rats.
Targets(IC50)	Neurokinin receptor
In vitro	Men 10376 is a selective tachykinin NK-2 receptor, with a Ki of 4.4 µM, and shows 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). Men 10376 shows no effect on NK-3 receptor (Ki, >10 µM)[2].
In vivo	Men 10376 (1 and 3 μ mol/kg) antagonizes increase in bladder motility produced by the NK-2 receptor agonist in rats[2].

Solubility Information

Solubility	H2O: 1.43 mg/mL (1.20 mM),Sonication is recommended.	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8366 mL	4.1832 mL	8.3665 mL
5 mM	0.1673 mL	0.8366 mL	1.6733 mL
10 mM	0.0837 mL	0.4183 mL	0.8366 mL
50 mM	0.0167 mL	0.0837 mL	0.1673 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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