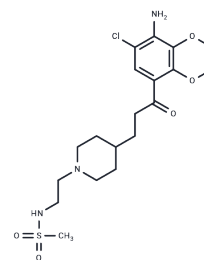


Sulamserod

Chemical Properties

CAS No. :	219757-90-1
Formula:	C ₁₉ H ₂₈ ClN ₃ O ₅ S
Molecular Weight:	445.96
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Sulamserod (RS 100302) is a potent 5-HT ₄ receptor antagonist with antiarrhythmic activity for the study of atrial fibrillation and cardiovascular related diseases.
Targets(IC ₅₀)	5-HT Receptor
In vivo	In pigs, the administration of Sulamserod at a dose of 30 mg/kg results in significant effects on electrophysiological parameters. Specifically, Sulamserod prolongs the mean effective refractory period (ERP) (14667 ms versus 11568 ms, P < 0.01) and wavelength (9.960.8 cm versus 8.360.9 cm, P < 0.01). Additionally, it reduces the dispersion of ERP (861 ms versus 1565 ms, P < 0.01) and causes a minimal slowing of conduction velocity (6765 cm/s versus 7264 cm/s, P < 0.01). Notably, Sulamserod does not induce any ventricular electrophysiological effects. Moreover, its administration leads to the termination of atrial flutter in 6 out of 8 animals and atrial fibrillation in 8 out of 9 animals. Furthermore, Sulamserod effectively prevents the reinduction of sustained tachycardia in all animals[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2424 mL	11.2118 mL	22.4235 mL
5 mM	0.4485 mL	2.2424 mL	4.4847 mL
10 mM	0.2242 mL	1.1212 mL	2.2424 mL
50 mM	0.0448 mL	0.2242 mL	0.4485 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

Rahme MM, et al. Electrophysiological and antiarrhythmic effects of the atrial selective 5-HT(4) receptor antagonist RS-100302 in experimental atrial flutter and fibrillation. Circulation. 1999 Nov 9;100(19):2010-7.

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