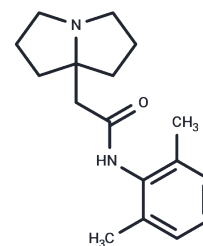


Pilsicainide

Chemical Properties

CAS No. :	88069-67-4
Formula:	C ₁₇ H ₂₄ N ₂ O
Molecular Weight:	272.39
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Pilsicainide (SUN 1165 free acid) is a potent class Ic antiarrhythmic agent and a sodium channel blocker[1][2].
Targets(IC50)	Others,Sodium Channel
In vitro	Pilsicainide (SUN 1165 free acid; 10-200 µg/mL) dose-dependently reduces the peak amplitude of the net inward current, with an IC ₅₀ of 29.2 µg/mL in levo-thyroxine (T ₄)-treated rat atrial cells [1].
In vivo	Pilsicainide (SUN 1165 free acid; 2 mg/kg; i.v.; once) significantly reduces conduction velocity in the atrium of T ₄ -treated male Sprague-Dawley rats (weighing 200-220 g) by decreasing Max dV/dt and net inward current, and altering electrocardiographic parameters. Administered as a bolus into the right external carotid vein over two minutes, pilsicainide extends the QT interval at 15 and 60 minutes post-administration, decreases the durations of P wave and QRS complex, reduces action potential amplitudes (APA) and Max dV/dt, and lengthens action potential duration.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6712 mL	18.356 mL	36.7121 mL
5 mM	0.7342 mL	3.6712 mL	7.3424 mL
10 mM	0.3671 mL	1.8356 mL	3.6712 mL
50 mM	0.0734 mL	0.3671 mL	0.7342 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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