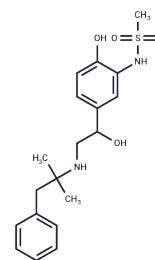


Zinterol

Chemical Properties

CAS No. :	37000-20-7
Formula:	C ₁₉ H ₂₆ N ₂ O ₄ S
Molecular Weight:	378.49
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	Zinterol is a potent and selective agonist of β_2 -adrenoceptor. Zinterol increases I _{Ca} in a concentration-dependent manner (EC ₅₀ of 2.2 nM).
Targets(IC ₅₀)	Others, Adrenergic Receptor
In vivo	In heart failure (HF) rabbits, Zinterol (2.5 μ g/kg i.v. bolus over 5 s) leads to ventricular arrhythmias including premature ventricular complexes (PVCs) and runs of ventricular tachycardia (VT). In HF rabbits, Zinterol at a lower dose (1 μ g/kg i.v, n=4) does not induce ventricular arrhythmias.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6421 mL	13.2104 mL	26.4208 mL
5 mM	0.5284 mL	2.6421 mL	5.2842 mL
10 mM	0.2642 mL	1.321 mL	2.6421 mL
50 mM	0.0528 mL	0.2642 mL	0.5284 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

Desantiago J, et al. Arrhythmogenic effects of beta2-adrenergic stimulation in the failing heart are attributable to enhanced sarcoplasmic reticulum Ca load. *Circ Res.* 2008 Jun 6;102(11):1389-97.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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