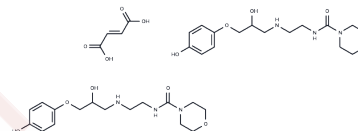


Xamoterol hemifumarate

Chemical Properties

CAS No. :	73210-73-8
Formula:	C ₃₆ H ₅₄ N ₆ O ₁₄
Molecular Weight:	794.37
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	Xamoterol hemifumarate is a potent and selective β_1 -adrenoceptor agonist. Xamoterol hemifumarate is a potential compound for the study of the relationship between cardiac arrhythmias and β_1 -adrenergic stimulation with IKr.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 3.42 mg/mL (4.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.34 mg/mL (0.43 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2589 mL	6.2943 mL	12.5886 mL
5 mM	0.2518 mL	1.2589 mL	2.5177 mL
10 mM	0.1259 mL	0.6294 mL	1.2589 mL
50 mM	0.0252 mL	0.1259 mL	0.2518 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

Wang S, et al. β 1-adrenergic regulation of rapid component of delayed rectifier K⁺ currents in guinea-pig cardiac myocytes. Mol Med Rep. 2014;9(5):1923-1928.

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