

Isoproterenol bitartrate

Chemical Properties

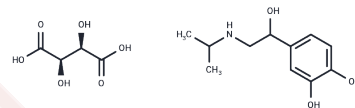
CAS No. : 59-60-9

Formula: C₁₅H₂₃N_O9

Molecular Weight: 361.347

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	Isoproterenol bitartrate is a beta-sympathomimetic and an isopropyl analog of Epinephrine, which acts on the heart, bronchi, skeletal muscle, and alimentary tract. It is used mainly as a bronchodilator and heart stimulant.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7674 mL	13.837 mL	27.674 mL
5 mM	0.5535 mL	2.7674 mL	5.5348 mL
10 mM	0.2767 mL	1.3837 mL	2.7674 mL
50 mM	0.0553 mL	0.2767 mL	0.5535 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

Chen M, Yin D, Guo S, Xu DZ, Wang Z, Chen Z, Rubart-von der Lohe M, Lin SF, Everett TH, Weiss JN, Chen PS. Sex-Specific Activation of SK Current by Isoproterenol Facilitates Action Potential Triangulation and Arrhythmogenesis in Rabbit Ventricles. *J Physiol*. 2018 Jun 19. doi: 10.1113/JP275681. [Epub ahead of print] PubMed PMID: 29917243.

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