

## (S)-Isoproterenol bitartrate

## Chemical Properties

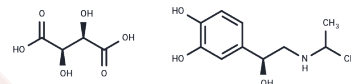
CAS No. : 14638-70-1

Formula: C<sub>15</sub>H<sub>23</sub>NO<sub>9</sub>

Molecular Weight: 361.34

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	(S)-Isoproterenol bitartrate is a bioactive chemical.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7675 mL	13.8374 mL	27.6748 mL
5 mM	0.5535 mL	2.7675 mL	5.535 mL
10 mM	0.2767 mL	1.3837 mL	2.7675 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

Mukherjee D, Ghosh AK, Bandyopadhyay A, Basu A, Datta S, Pattari SK, Reiter RJ, Bandyopadhyay D. Melatonin protects against isoproterenol-induced alterations in cardiac mitochondrial energy-metabolizing enzymes, apoptotic proteins, and assists in complete recovery from myocardial injury in rats. *J Pineal Res.* 2012 Sep;53(2):166-79. PubMed PMID: 23050266.

Mukherjee D, Roy SG, Bandyopadhyay A, Chattopadhyay A, Basu A, Mitra E, Ghosh AK, Reiter RJ, Bandyopadhyay D. Melatonin protects against isoproterenol-induced myocardial injury in the rat: antioxidative mechanisms. *J Pineal Res.* 2010 Apr;48(3):251-62. doi: 10.1111/j.1600-079X.2010.00749.x. Epub 2010 Mar 4. PubMed PMID: 20210856.

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