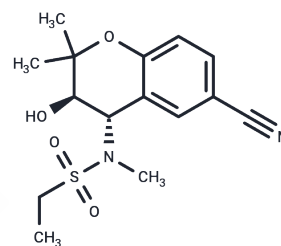


## Chromanol 293B

## Chemical Properties

CAS No. :	163163-23-3
Formula:	C <sub>15</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	324.4
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	Chromanol 293B is an inhibitor of the slow component (IK) of delayed rectifier potassium currents in cardiac cells (IC <sub>50</sub> = 1-10 μM) and a weak inhibitor of KATP channels. It also blocks CFTR chloride currents (IC <sub>50</sub> = 19 μM) and can be used in
Targets(IC <sub>50</sub> )	CFTR,Potassium Channel

## Solubility Information

Solubility	DMSO: ≥ 80 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0826 mL	15.4131 mL	30.8261 mL
5 mM	0.6165 mL	3.0826 mL	6.1652 mL
10 mM	0.3083 mL	1.5413 mL	3.0826 mL
50 mM	0.0617 mL	0.3083 mL	0.6165 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

- Bachmann A, et al. Chromanol 293B, a blocker of the slow delayed rectifier K<sup>+</sup> current (IKs), inhibits the CFTR Cl<sup>-</sup> current. *Naunyn Schmiedeberg's Arch Pharmacol.* 2001;363(6):590-596.
- Bosch RF, et al. Effects of the chromanol 293B, a selective blocker of the slow, component of the delayed rectifier K<sup>+</sup> current, on repolarization in human and guinea pig ventricular myocytes. *Cardiovasc Res.* 1998;38(2):441-450.

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