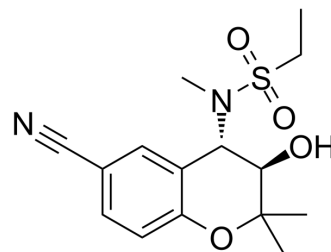


Chromanol 293B

Cat. No.:	HY-108575	
CAS No.:	163163-23-3	
Molecular Formula:	C ₁₅ H ₂₀ N ₂ O ₄ S	
Molecular Weight:	324.4	
Target:	Potassium Channel; CFTR	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMF : ≥ 30 mg/mL (92.48 mM)
 DMSO : ≥ 30 mg/mL (92.48 mM)
 Ethanol : ≥ 2 mg/mL (6.17 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Chromanol 293B is a selective blocker of the slow delayed rectifier K⁺ current (IKs) with IC₅₀ of 1-10 μM and a weak inhibitor of KATP channel. Chromanol 293B also blocks the CFTR chloride current with an IC₅₀ of 19 μM^[1].

REFERENCES

[1]. Bachmann A, Quast U, Russ U. Chromanol 293B, a blocker of the slow delayed rectifier K⁺ current (IKs), inhibits the CFTR Cl⁻ current. Naunyn Schmiedebergs Arch Pharmacol. 2001 Jun;363(6):590-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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