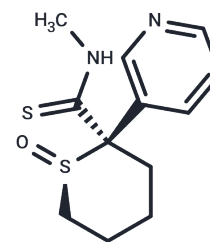


Aprikalim

Chemical Properties

CAS No. :	132562-26-6
Formula:	C ₁₂ H ₁₆ N ₂ O ₂ S
Molecular Weight:	268.4
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	Aprikalim (RP 52891) is an adenosine triphosphate potassium channel (KATP) opener that protects against nerve damage in a rabbit model of spinal cord ischemia. Aprikalim inhibits vasoconstriction and inhibits the elevation of [Ca ²⁺] _i during myocardial paralysis, and can be used to study cardiovascular disease.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7258 mL	18.6289 mL	37.2578 mL
5 mM	0.7452 mL	3.7258 mL	7.4516 mL
10 mM	0.3726 mL	1.8629 mL	3.7258 mL
50 mM	0.0745 mL	0.3726 mL	0.7452 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

- Lozos VA, et al. Aprikalim a potassium adenosine triphosphate channel opener reduces neurologic injury in a rabbit model of spinal cord ischemia. *Int J Surg.* 2013;11(4):354-9.
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- Ghatta S, et al. Nitroglycerin-induced release of calcitonin gene-related peptide from sensory nerves attenuates the development of nitrate tolerance. *J Cardiovasc Pharmacol.* 2006 Feb;47(2):175-81.
- Chrissobolis S, et al. Evidence that estrogen suppresses rho-kinase function in the cerebral circulation in vivo. *Stroke.* 2004 Sep;35(9):2200-5.

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