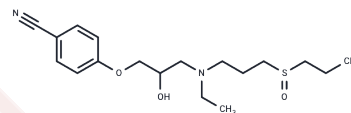


## Almokalant

## Chemical Properties

CAS No. :	123955-10-2
Formula:	C <sub>18</sub> H <sub>28</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	352.49
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	Almokalant is a class III antiarrhythmic drug, acts as a potassium channel blocker. And it inhibits a specific component (I <sub>Kr</sub> ) of the time-dependent delayed rectifier K <sup>+</sup> current.
Targets(IC <sub>50</sub> )	Potassium Channel
In vitro	Almokalant, a class III antiarrhythmic drug, functions as a potassium channel blocker, inhibiting the specific (I <sub>Kr</sub> ) component of the time-dependent delayed rectifier K <sup>+</sup> current.
In vivo	Almokalant (125 μmol/kg, p.o.) administered on Day 11 of pregnancy induces cardiovascular defects, orofacial clefts, and tail defects in pregnant rats.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.837 mL	14.1848 mL	28.3696 mL
5 mM	0.5674 mL	2.837 mL	5.6739 mL
10 mM	0.2837 mL	1.4185 mL	2.837 mL
50 mM	0.0567 mL	0.2837 mL	0.5674 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

Wellfelt K, et al. Teratogenicity of the class III antiarrhythmic drug almokalant. Role of hypoxia and reactive oxygen species. *Reprod Toxicol.* 1999 Mar-Apr;13(2):93-101.

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