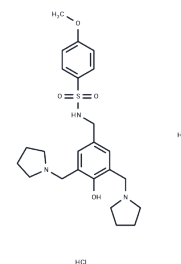


## Sulcardine 2HCl

## Chemical Properties

CAS No. :	343935-48-8
Formula:	C <sub>24</sub> H <sub>35</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	532.523
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Sulcardine 2HCl is a multi-ion channel blocker with antiarrhythmic effects that blocks the properties of hERG and hNav1.5 channels and can be used to study atrial fibrillation and ventricular arrhythmias.
Targets(IC50)	Calcium Channel,Potassium Channel,Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8779 mL	9.3893 mL	18.7786 mL
5 mM	0.3756 mL	1.8779 mL	3.7557 mL
10 mM	0.1878 mL	0.9389 mL	1.8779 mL
50 mM	0.0376 mL	0.1878 mL	0.3756 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

Bai DL, et al. Discovery of N-(3,5-bis(1-pyrrolidylmethyl)-4-hydroxybenzyl)-4-methoxybenzenesulfamide (sulcardine) as a novel anti-arrhythmic agent. Acta Pharmacol Sin. 2012 Sep;33(9):1176-86.

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