

## Strontium chloride

## Chemical Properties

CAS No. :	10476-85-4
Formula:	Cl <sub>2</sub> Sr
Molecular Weight:	158.52
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	Strontium chloride is an agonist of Calcium sensing receptor (CaSR) and directly affects C-type nerve fibers.
Targets(IC50)	CaSR
In vivo	Wistar albino rats (n = 24) were randomly divided into three groups: the mometasone group, receiving 1 µg mometasone furoate (2 µl/site); the strontium 3% group, receiving 3% strontium chloride (2 µl/site); and the strontium 5% group, receiving 5% stronti

## Solubility Information

Solubility	DMSO: 50 mg/mL (315.42 mM),Sonication is recommended. H2O: < 15 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	6.3084 mL	31.5418 mL	63.0835 mL
5 mM	1.2617 mL	6.3084 mL	12.6167 mL
10 mM	0.6308 mL	3.1542 mL	6.3084 mL
50 mM	0.1262 mL	0.6308 mL	1.2617 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

Altuntaş EE, et al. The effects of mometasone furoate and strontium chloride in a rat model of allergic rhinitis. Ear Nose Throat J. 2018 Jan-Feb;97(1-2):E1-E7.

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