

## Magnesium Chloride Hexahydrate

### Chemical Properties

CAS No. :	7791-18-6	Cl - Mg - Cl	H <sub>2</sub> O	H <sub>2</sub> O
Formula:	Cl <sub>2</sub> H <sub>12</sub> MgO <sub>6</sub>			
Molecular Weight:	203.3	H <sub>2</sub> O	H <sub>2</sub> O	H <sub>2</sub> O
Storage:	Store at RT <small>Actual storage temperature shall be subject to the COA.</small>	H <sub>2</sub> O		

### Biological Description

Description	Magnesium Chloride Hexahydrate is a cofactor required for DNA polymerase activity and plays a key role in PCR processes, widely used in solution preparation for cell biology.
Targets(IC50)	Others, Calcium Channel

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9188 mL	24.5942 mL	49.1884 mL
5 mM	0.9838 mL	4.9188 mL	9.8377 mL
10 mM	0.4919 mL	2.4594 mL	4.9188 mL
50 mM	0.0984 mL	0.4919 mL	0.9838 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

Ajilore BS, et al. Effects of magnesium chloride on in vitro cholinesterase and ATPase poisoning by organophosphate (chlorpyrifos). Pharmacol Res Perspect. 2018 Apr 30;6(3):e00401.

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