



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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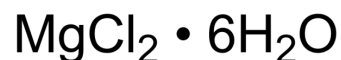
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## Magnesium chloride hexahydrate, for cell culture

<b>Cat. No.:</b>	HY-W019981C
<b>CAS No.:</b>	7791-18-6
<b>Molecular Formula:</b>	Cl <sub>2</sub> H <sub>12</sub> MgO <sub>6</sub>
<b>Molecular Weight:</b>	203.3
<b>Target:</b>	Calcium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 200 mg/mL (983.77 mM)  
\* "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Magnesium chloride hexahydrate, for cell culture is the hexahydrate form of magnesium dichloride. Magnesium chloride hexahydrate, for cell culture can be used as a source of magnesium ion and a co-factor for many enzymes. Magnesium chloride hexahydrate, for cell culture increases the activity of Ca<sup>2+</sup> ATPase<sup>[1]</sup>.

### REFERENCES

[1]. 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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