



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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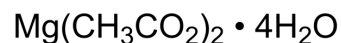
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## Magnesium acetate tetrahydrate

<b>Cat. No.:</b>	HY-Y0319G		
<b>CAS No.:</b>	16674-78-5		
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>14</sub> MgO <sub>8</sub>		
<b>Molecular Weight:</b>	214.45		
<b>Target:</b>	Endogenous Metabolite; Bacterial		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (466.31 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	<b>Preparing Stock Solutions</b>	1 mM	5 mM	10 mM
		4.6631 mL	23.3155 mL	46.6309 mL
		0.9326 mL	4.6631 mL	9.3262 mL
		0.4663 mL	2.3315 mL	4.6631 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.66 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.66 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.66 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	Magnesium acetate tetrahydrate is a hydrated form of anhydrous magnesium acetate salt. As a salt form of Magnesium, Magnesium acetate tetrahydrate is one of the bioavailable forms of magnesium and forms a very water soluble compound. Magnesium acetate tetrahydrate can be used as an electrolyte supplementation or a reagent in molecular biology experiments <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Microbial Metabolite	Human Endogenous Metabolite

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## CUSTOMER VALIDATION

- Mod Rheumatol. 2021 Nov 30;roab105.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

[1]. Krisztian Nemeth, et al. Synthesis and investigation of SiO<sub>2</sub>-MgO coated MWCNTs and their potential application. Sci Rep. 2019 Oct 22;9(1):15113.

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

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