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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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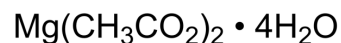
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Magnesium acetate tetrahydrate

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



SOLVENT & SOLUBILITY

| | | | | |
|---|---|--------------------------|------------|------------|
| In Vitro | DMSO : 100 mg/mL (466.31 mM; Need ultrasonic) | | | |
| | | Solvent Concentration | Mass | |
| | | | 1 mg | 5 mg |
| | | | 10 mg | |
| | Preparing Stock Solutions | 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. | | | | |
| In Vivo | 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

| | | |
|-------------------------------------|---|-----------------------------|
| Description | 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 ^[1] . | |
| IC₅₀ & Target | Microbial Metabolite | Human Endogenous Metabolite |

CUSTOMER VALIDATION

- Biomed Pharmacother. 2023 Dec 18;170:116031.
- Mod Rheumatol. 2021 Nov 30;roab105.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Krisztian Nemeth, et al. Synthesis and investigation of SiO₂-MgO coated MWCNTs and their potential application. Sci Rep. 2019 Oct 22;9(1):15113.

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

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