

Magnesium Sulfate Heptahydrate

Chemical Properties

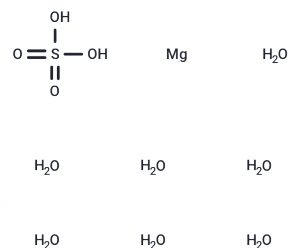
CAS No. : 10034-99-8

Formula: H16MgO11S

Molecular Weight: 248.49

Storage: Store at RT

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Magnesium Sulfate Heptahydrate is a biochemical reagent suitable for cell culture, which can be added to culture media to support microbial growth. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | H2O: 180 mg/mL (724.38 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.0243 mL | 20.1215 mL | 40.2431 mL |
| 5 mM | 0.8049 mL | 4.0243 mL | 8.0486 mL |
| 10 mM | 0.4024 mL | 2.0122 mL | 4.0243 mL |
| 50 mM | 0.0805 mL | 0.4024 mL | 0.8049 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

Liu Y, Pei T, Du J, Deng MR, Zhu H. Parerythrobacter aurantius sp. nov., a Member of the Family Erythrobacteraceae Isolated from a Coastal Breakwater Stone. Curr Microbiol. 2025 Jun 30;82(8):350.

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