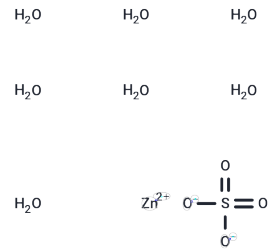
# Data Sheet (Cat.No.T19608)

TargetMol

## Zinc sulfate heptahydrate

### Chemical Properties



CAS No. : 7446-20-0

Formula: H14O11SZn

Molecular Weight: 287.58

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Zinc sulfate heptahydrate is a dietary supplement used for zinc deficiency and to prevent the condition in those at high risk. |
| Targets(IC50) | Others |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 1 mg/mL (3.48 mM),Sonication is recommended.<br>H2O: 99 mg/mL (344.25 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (3.48 mM),Sonication is recommended.<br>*Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.* |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 3.4773 mL | 17.3865 mL | 34.7729 mL |
| 5 mM | 0.6955 mL | 3.4773 mL | 6.9546 mL |
| 10 mM | 0.3477 mL | 1.7386 mL | 3.4773 mL |
| 50 mM | 0.0695 mL | 0.3477 mL | 0.6955 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

Campos CG, et al. Targeted Metabolomics of Xylose-Fermenting Yeasts Based on Mass Spectrometry.Methods Mol Biol. 2019;1859:155-169.

Pories WJ, et al. Acceleration of healing with zinc sulfate. Ann Surg. 1967 Mar;165(3):432-6.

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