

Zinc sulfate heptahydrate

Chemical Properties

CAS No. :	7446-20-0	H ₂ O	H ₂ O	H ₂ O
Formula:	H14O11SZn	H ₂ O	H ₂ O	H ₂ O
Molecular Weight:	287.58			
Appearance:	no data available			
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	H ₂ O	Zn^{2+}	$ \begin{array}{c} O \\ \\ O^- - S = O \\ \\ O^- \end{array} $

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: 1mg/ml,Sonication is recommended. H2O: 99 mg/mL (344.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

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

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