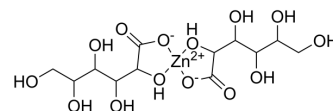


## Zinc Gluconate

Cat. No.:	HY-W145499
CAS No.:	4468-02-4
Molecular Formula:	C <sub>12</sub> H <sub>22</sub> O <sub>14</sub> Zn
Molecular Weight:	455.67
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (109.73 mM; Need ultrasonic) H <sub>2</sub> O : 50 mg/mL (109.73 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	2.1946 mL	10.9729 mL	21.9457 mL
		5 mM	0.4389 mL	2.1946 mL	4.3891 mL
		10 mM	0.2195 mL	1.0973 mL	2.1946 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 (5.49 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.49 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.49 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Zinc Gluconate has the potential for the research of common cold, cancer, and a nutrition supplement as a food additive <sup>[1]</sup> .
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### REFERENCES

[1]. Hao, Yahui, et al. Zinc gluconate and its side-effects in clinical use.

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

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