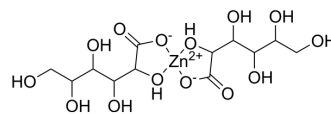


## Zinc Gluconate

<b>Cat. No.:</b>	HY-W145499
<b>CAS No.:</b>	4468-02-4
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>22</sub> O <sub>14</sub> Zn
<b>Molecular Weight:</b>	455.67
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	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	Solvent Concentration	Mass		
		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

- 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
- 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
- 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>.

### 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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