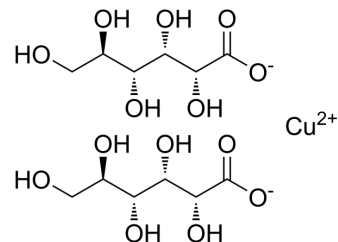


## Copper(II) Gluconate

<b>Cat. No.:</b>	HY-W010860
<b>CAS No.:</b>	527-09-3
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>22</sub> CuO <sub>14</sub>
<b>Molecular Weight:</b>	453.84
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (55.09 mM); ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.2034 mL	11.0171 mL	22.0342 mL
5 mM	0.4407 mL	2.2034 mL	4.4068 mL
10 mM	0.2203 mL	1.1017 mL	2.2034 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Copper(II) Gluconate is a non-toxic copper supplement aid. Copper(II) Gluconate is the copper salt of D-gluconic acid. Copper(II) Gluconate as a precursor catalyst that can be used in the photo-induced polymerisation of acrylates<sup>[1]</sup>.

### REFERENCES

[1]. Vasiliki Nikolaou, et al. Copper(ii) gluconate (a non-toxic food supplement/dietary aid) as a precursor catalyst for effective photo-induced living radical polymerisation of acrylates. *Polym. Chem.*, 6(19), 3581-3585.

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

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