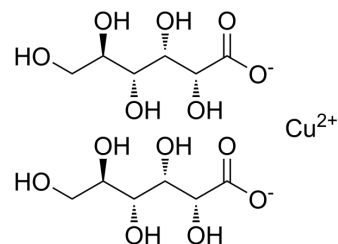


Copper(II) Gluconate

Cat. No.:	HY-W010860
CAS No.:	527-09-3
Molecular Formula:	C ₁₂ H ₂₂ CuO ₁₄
Molecular Weight:	453.84
Target:	Others
Pathway:	Others
Storage:	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)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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^[1].

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.

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

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