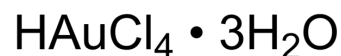


## Gold(III) chloride trihydrate

Cat. No.:	HY-W094581
CAS No.:	16961-25-4
Molecular Formula:	HAuCl <sub>4</sub> ·3H <sub>2</sub> O
Molecular Weight:	393.83
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

H<sub>2</sub>O : 150 mg/mL (380.88 mM; Need ultrasonic and warming)  
DMSO : 100 mg/mL (253.92 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.5392 mL	12.6958 mL	25.3917 mL
	5 mM		0.5078 mL	2.5392 mL	5.0783 mL
	10 mM		0.2539 mL	1.2696 mL	2.5392 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Gold (III) chloride trihydrate is a reducing agent. Gold (III) chromium trihydrate can be used for chemical synthesis of gold nanoparticles (NP) and spirochromene derivatives<sup>[1][2]</sup>.

### REFERENCES

- [1]. Kidwai M, et al. Gold (III) chloride (HAuCl<sub>4</sub>·3H<sub>2</sub>O) in PEG: A new and efficient catalytic system for the synthesis of functionalized spirochromenes[J]. Applied Catalysis A: General, 2012, 425: 35-43.
- [2]. Ramos M, et al. Hardness and Elastic Modulus on Six-Fold Symmetry Gold Nanoparticles. Materials (Basel). 2013;6(1):198-205. Published 2013 Jan 14.

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

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