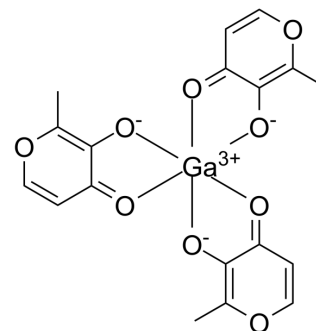


Gallium maltolate

Cat. No.:	HY-106426
CAS No.:	108560-70-9
Molecular Formula:	C ₁₈ H ₁₅ GaO ₉
Molecular Weight:	445.03
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 2 mg/mL (4.49 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2470 mL	11.2352 mL	22.4704 mL
		5 mM	---	---	---
		10 mM	---	---	---
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 2 mg/mL (4.49 mM); Clear solution; Need ultrasonic and warming and heat to 60°C				

BIOLOGICAL ACTIVITY

Description	Gallium maltolate (GAM) is an apoptosis inducer with anti-cancer and anti-inflammatory activity. Gallium maltolate (GAM)-induced apoptosis involves the oxidative stress and p53 pathways ^{[1][2]} .
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REFERENCES

- [1]. Xuesong Wu, et al. Gallium maltolate inhibits human cutaneous T-cell lymphoma tumor development in mice. *J Invest Dermatol.* 2015 Mar;135(3):877-884.
- [2]. F Sampieri, et al. Efficacy of gallium maltolate against *Lawsonia intracellularis* infection in a rabbit model. *J Vet Pharmacol Ther.* 2014 Dec;37(6):571-8.

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

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