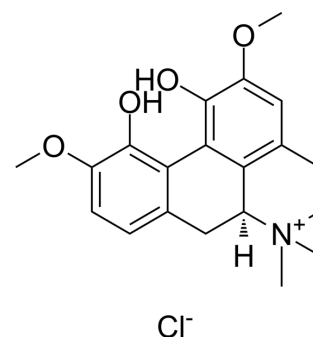


## (+)-Magnoflorine chloride

<b>Cat. No.:</b>	HY-N0535
<b>CAS No.:</b>	6681-18-1
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>24</sub> ClNO <sub>4</sub>
<b>Molecular Weight:</b>	377.86
<b>Target:</b>	Fungal
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 41.67 mg/mL (110.28 mM; ultrasonic and warming and heat to 60°C)				
		<b>Solvent</b>	<b>Mass</b>		
	<b>Preparing Stock Solutions</b>	<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	2.6465 mL	13.2324 mL	26.4648 mL
<b>5 mM</b>		0.5293 mL	2.6465 mL	5.2930 mL	
	<b>10 mM</b>	0.2646 mL	1.3232 mL	2.6465 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (264.65 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Magnoflorine chloride (Magnoflorine chloride), an aporphine alkaloid found in Magnolia or Aristolochia, reduces the formation of <i>C. albicans</i> biofilm <sup>[1]</sup> . Magnoflorine chloride has anti-fungal, anti-antidiabetic and anti-oxidative activity <sup>[2]</sup> .
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### REFERENCES

- [1]. Kim J, et al. Antifungal activity of magnoflorine against Candida strains. World J Microbiol Biotechnol. 2018 Oct 31;34(11):167.
- [2]. Haque MA, et al. Magnoflorine Enhances LPS-Activated Pro-Inflammatory Responses via MyD88-Dependent Pathways in U937 Macrophages. Planta Med. 2018 Nov;84(17):1255-1264.

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

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