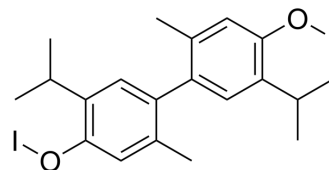


## Thymol iodide

<b>Cat. No.:</b>	HY-B1796		
<b>CAS No.:</b>	552-22-7		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>24</sub> I <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	550.21		
<b>Target:</b>	Fungal		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 5 mg/mL (9.09 mM; ultrasonic and warming and heat to 80°C)

Ethanol : < 1 mg/mL (insoluble)

H<sub>2</sub>O : < 0.1 mg/mL (insoluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8175 mL	9.0874 mL	18.1749 mL
	5 mM	0.3635 mL	1.8175 mL	3.6350 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Thymol iodide is a compound of iodide and Thymol. Thymol iodide acts as a substitute for iodoform<sup>[1]</sup>. Thymol iodide is an iodine derivative of Thymol (a phenol derived from thyme oil), which is mostly used as mild antiseptic and fungicide<sup>[2]</sup>.

### REFERENCES

[1]. Gupta PC. Use of Thymol Iodide in Interstitial Keratitis. Ind Med Gaz. 1931 May;66(5):267-268.

[2]. AshutoshSrivastava, A study on enrichment of the rotifer Brachionus "Cayman" with iodine from different sources. Aquaculture. 2012 Mar 7, 334-337:82-88.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA