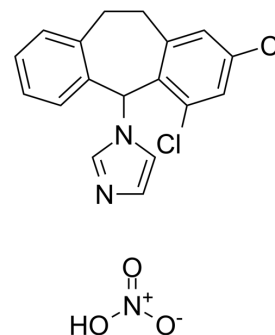


## Eberconazole nitrate

<b>Cat. No.:</b>	HY-106542A
<b>CAS No.:</b>	130104-32-4
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>15</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	392.24
<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>	DMSO : 250 mg/mL (637.36 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	2.5495 mL	12.7473 mL	25.4946 mL
		5 mM	0.5099 mL	2.5495 mL	5.0989 mL
		10 mM	0.2549 mL	1.2747 mL	2.5495 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.08 mg/mL (5.30 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.30 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.08 mg/mL (5.30 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Eberconazole nitrate is a dichlorinated imidazole derivative with antifungal activity. Eberconazole nitrate is more active than Clotrimazole, Ketoconazole, and Miconazole. Eberconazole nitrate has the potential for the research of dermatophytoses with a topical administration <sup>[1]</sup> .
--------------------	---

### REFERENCES

---

[1]. Fernández-Torres B, et al. In vitro activities of the new antifungal drug eberconazole and three other topical agents against 200 strains of dermatophytes. J Clin Microbiol. 2003;41(11):5209-5211.

---

**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