



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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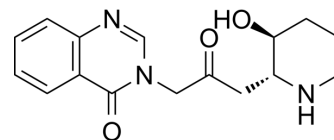
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## Febrifugine

<b>Cat. No.:</b>	HY-N2384
<b>CAS No.:</b>	24159-07-7
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>19</sub> N <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	301.34
<b>Target:</b>	Parasite
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	-20°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 : 25 mg/mL (82.96 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>3.3185 mL</td> <td>16.5926 mL</td> <td>33.1851 mL</td> </tr> <tr> <td>5 mM</td> <td>0.6637 mL</td> <td>3.3185 mL</td> <td>6.6370 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3319 mL</td> <td>1.6593 mL</td> <td>3.3185 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	3.3185 mL	16.5926 mL	33.1851 mL	5 mM	0.6637 mL	3.3185 mL	6.6370 mL	10 mM	0.3319 mL	1.6593 mL	3.3185 mL
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	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: ≥ 2.5 mg/mL (8.30 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.30 mM); Clear solution</li> </ol>																					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Febrifugine is a quinazolinone alkaloid found in the roots and leaves of <i>Dichroa febrifuga</i> , with antimalarial activity [1].
<b>IC<sub>50</sub> &amp; Target</b>	Plasmodium

### REFERENCES

[1]. Herman JD, et al. The cytoplasmic prolyl-tRNA synthetase of the malaria parasite is a dual-stage target of febrifugine and its analogs. *Sci Transl Med.* 2015 May 20;7(288):288ra77.

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

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