



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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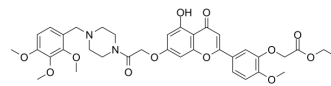
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## Antimalarial agent 38

Cat. No.:	HY-157892
CAS No.:	123580-46-1
Molecular Formula:	C <sub>36</sub> H <sub>40</sub> N <sub>2</sub> O <sub>12</sub>
Molecular Weight:	692.71
Target:	Parasite
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

#### Description

Antimalarial agent 38 (Compound 1) exhibits activity against antiplasmodial, which inhibits *Plasmodium falciparum* D6 strain, chloroquine-sensitive Thai strain and chloroquine-resistant FcB1 strain and K1 strain, with IC<sub>50</sub>s of 0.5, 13, 1 and 13 μM, respectively. Antimalarial agent 38 is non-cytotoxic for mammalian cells MCR58 (IC<sub>50</sub> >140 μM). Antimalarial agent 38 improves the survival rate of *Plasmodium yoelii nigeriensis* infected mouse model<sup>[1]</sup>.

### REFERENCES

[1]. Auffret G, et al., Synthesis and antimalarial evaluation of a series of piperazinyl flavones. *Bioorg Med Chem Lett.* 2007 Feb 15;17(4):959-63.

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

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