



# 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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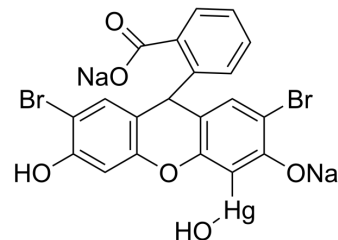
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## Merbromin

Cat. No.:	HY-B0961
CAS No.:	129-16-8
Molecular Formula:	C <sub>20</sub> H <sub>10</sub> Br <sub>2</sub> HgNa <sub>2</sub> O <sub>6</sub>
Molecular Weight:	752.67
Target:	Flavivirus
Pathway:	Anti-infection
Storage:	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

In Vitro	DMSO : 6.67 mg/mL (8.86 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.3286 mL	6.6430 mL	13.2860 mL
			5 mM	0.2657 mL	1.3286 mL	2.6572 mL
			10 mM	---	---	---
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.67 mg/mL (0.89 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.67 mg/mL (0.89 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Merbromin acts as a topical antiseptic for minor cuts and scrapes and as a biological dye. Merbromin is a potent inhibitor against Zika virus (ZIKV) replication. Merbromin shows anti-ZIKV potency through ZIKVpro inhibition <sup>[1]</sup> .
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### REFERENCES

[1]. Xiangling Cui , et al. Identification of Theaflavin-3,3'-Digallate as a Novel Zika Virus Protease Inhibitor. Front Pharmacol. 2020 Oct 21;11:514313.

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

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