



# 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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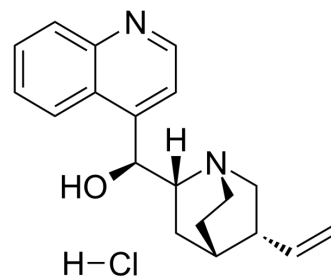
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## Cinchonine hydrochloride

Cat. No.:	HY-W011241
CAS No.:	5949-11-1
Molecular Formula:	C <sub>19</sub> H <sub>23</sub> ClN <sub>2</sub> O
Molecular Weight:	330.85
Target:	Apoptosis; Parasite
Pathway:	Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Cinchonine hydrochloride ((8R,9S)-Cinchonine hydrochloride) is a natural alkaloid present in Cinchona bark, with antimalarial activity. Cinchonine hydrochloride activates endoplasmic reticulum (ER) stress-induced apoptosis in human liver cancer cells<sup>[1]</sup>.

### REFERENCES

[1]. Jin ZL, et al. Cinchonine activates endoplasmic reticulum stress-induced apoptosis in human liver cancer cells. *Exp Ther Med.* 2018 Jun;15(6):5046-5050.

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

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