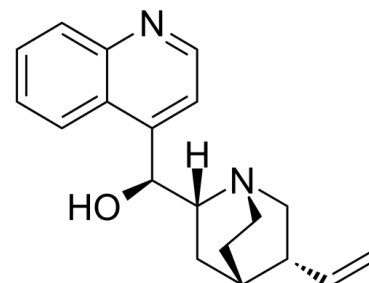


## Data Sheet

<b>Product Name:</b>	Cinchonine
<b>Cat. No.:</b>	CS-0008420
<b>CAS No.:</b>	118-10-5
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>22</sub> N <sub>2</sub> O
<b>Molecular Weight:</b>	294.39
<b>Target:</b>	Apoptosis; Parasite
<b>Pathway:</b>	Anti-infection; Apoptosis
<b>Solubility:</b>	DMSO : 4.76 mg/mL (16.17 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

Cinchonine is a natural compound present in Cinchona bark. Cinchonine activates endoplasmic reticulum 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.

### CAIndexNames:

Cinchonan-9-ol, (9S)-

### SMILES:

O[C@@H](C1=CC=NC2=CC=CC=C12)[C@]3([H])[N@@]4C[C@H](C=C)[C@@H](CC4)C3

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

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