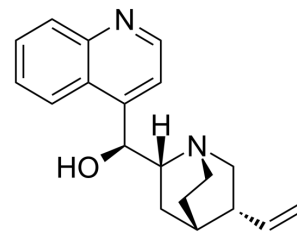


## Cinchonine monohydrochloride hydrate

Cat. No.:	HY-Y0152A
CAS No.:	206986-88-1
Molecular Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>2</sub> O.HCl.xH <sub>2</sub> O
Target:	Parasite; Apoptosis
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Cinchonine ((8R,9S)-Cinchonine) monohydrochloride hydrate is a natural compound which has been effectively used as antimalarial agent. Cinchonine monohydrochloride hydrate activates endoplasmic reticulum stress-induced apoptosis in human liver cancer cells. Cinchonine monohydrochloride hydrate is also an inhibitor of human platelet aggregation. Cinchonine monohydrochloride hydrate possesses a suppressive effect on adipogenesis<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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