

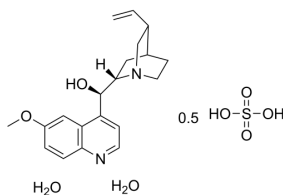
## Quinine (sulfate hydrate)

Cat. No.: HY-W010668  
CAS No.: 6119-70-6  
Batch No.: 288753  
Chemical Name: Cinchonan-9-ol, 6'-methoxy-, (8 $\alpha$ ,9R)-, sulfate, hydrate (2:1:4)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>20</sub>H<sub>30</sub>N<sub>2</sub>O<sub>8</sub>S  
Molecular Weight: 818.98  
Storage: 4°C, protect from light, stored under nitrogen  
\* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 99.97%  
Conclusion: The product has been tested and complies with the given specifications.

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

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