
Product Data Sheet

Product Name: Cinchonine hydrochloride

Cat. No.: GC60708

Chemical Properties

Cas. No. 5949-11-1

SMILES [H]Cl.O[C@@H](C1=CC=NC2=CC=CC=C12)[C@]3([H])[N@@]4C[C@H](C=C)[C@@H](CC4)C3Formula C₁₉H₂₃ClN₂O M.Wt 330.85

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Cinchonine hydrochloride ((8R,9S)-Cinchonine hydrochloride) is a natural compound present in Cinchona bark. Cinchonine hydrochloride activates endoplasmic reticulum stress-induced apoptosis in human liver cancer cells[1].

[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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