

Thalifendine chloride

Chemical Properties

CAS No. : 4668-19-3

Formula: C₁₉H₁₆ClNO₄

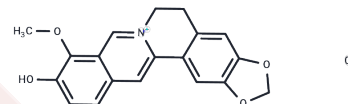
Molecular Weight: 357.79

Storage:

Keep away from direct sunlight,Keep away from moisture,Store at low temperature,Store under nitrogen

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Thalifendine chloride is a metabolite of berberine, wherein the methoxy group at the C-10 position undergoes demethylation by CYP51. It exhibits cytotoxicity against P-388 mouse leukaemia cells (ED ₅₀ = 0.84 μM) and demonstrates weak inhibitory activity against Plasmodium falciparum.
Targets(IC50)	Parasite,Drug Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7949 mL	13.9747 mL	27.9494 mL
5 mM	0.559 mL	2.7949 mL	5.5899 mL
10 mM	0.2795 mL	1.3975 mL	2.7949 mL
50 mM	0.0559 mL	0.2795 mL	0.559 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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