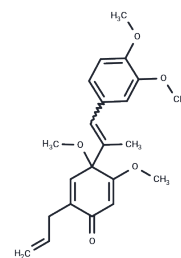


Wallichinine

Chemical Properties

CAS No. :	125292-97-9
Formula:	C ₂₂ H ₂₆ O ₅
Molecular Weight:	370.445
Storage:	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	Wallichinine shows inhibitory activity on platelet aggregation caused by platelet activating factor (PAF). Wallichinine with ABCB1 presents valuable clues for the development of novel MDR reversal reagents from natural products, wallichinine can significantly potentiate the effects of two ABCB1 substrates vincristine and doxorubicin on inhibition of growth, arrest of cell cycle and induction of apoptosis in ABCB1 overexpressing cancer cells, and the overexpression of ABCB1 in cancer cells is one of the main reasons of cancer multidrug resistance (MDR).
Targets(IC50)	P-gp

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6994 mL	13.4971 mL	26.9942 mL
5 mM	0.5399 mL	2.6994 mL	5.3988 mL
10 mM	0.2699 mL	1.3497 mL	2.6994 mL
50 mM	0.054 mL	0.2699 mL	0.5399 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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