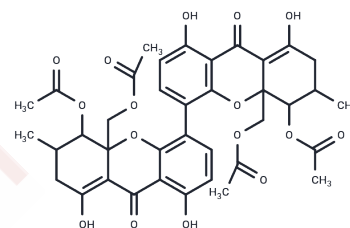


## Phomoxanthone A

## Chemical Properties

CAS No. :	359844-69-2
Formula:	C <sub>38</sub> H <sub>38</sub> O <sub>16</sub>
Molecular Weight:	750.70
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	Phomoxanthone A is a flavonoid dimer isolated from Phomopsis. It exhibits antimalarial activity against the resistant strain of Plasmodium falciparum (K1, IC <sub>50</sub> = 0.11 µg/mL) and displays antitubercular properties against Mycobacterium tuberculosis (H37Ra strain, MIC = 0.50 µg/mL). Additionally, Phomoxanthone A shows cytotoxicity in KB, BC-1, and Vero cells with IC <sub>50</sub> values of 0.99, 0.51, and 1.4 µg/mL, respectively.
Targets(IC <sub>50</sub> )	Parasite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3321 mL	6.6605 mL	13.3209 mL
5 mM	0.2664 mL	1.3321 mL	2.6642 mL
10 mM	0.1332 mL	0.666 mL	1.3321 mL
50 mM	0.0266 mL	0.1332 mL	0.2664 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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