

Formoxanthone A

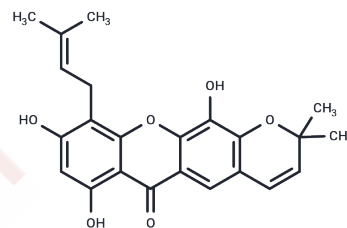
Chemical Properties

CAS No. : 869880-32-0

Formula: C₂₃H₂₂O₆

Molecular Weight: 394.42

Storage: Store at low temperature, Keep away from direct sunlight
 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	Formoxanthone A may have antibacterial and cytotoxic activities.
Targets(IC50)	Apoptosis, Antifection
In vitro	METHODS AND RESULTS: Chemical investigation of the roots of <i>Cratoxylum formosum</i> has resulted in the isolation and characterization of xanthones: three new, named Formoxanthone A, formoxanthone B, formoxanthone C and three known together with three known anthraquinones. CONCLUSIONS: Their structures were established on the basis of analysis of spectroscopic evidence. In addition, antibacterial and cytotoxic activities of the isolates were also evaluated[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5354 mL	12.6768 mL	25.3537 mL
5 mM	0.5071 mL	2.5354 mL	5.0707 mL
10 mM	0.2535 mL	1.2677 mL	2.5354 mL
50 mM	0.0507 mL	0.2535 mL	0.5071 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.

Reference

Antibacterial and cytotoxic xanthones from the roots of *Cratoxylum formosum*. *Phytochemistry*. 2006 Apr;67(7):723-7.

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