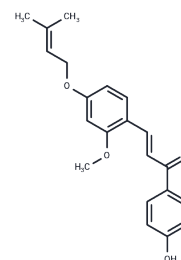


Xinjiachalcone A

Chemical Properties

CAS No. :	151410-32-1
Formula:	C ₂₁ H ₂₂ O ₄
Molecular Weight:	338.4
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	Xinjiachalcone A is a natural product isolated from Glycyrrhiza inflata Batalin. Xinjiachalcone A shows both a low MIC and a strong bactericidal activity against H. pylori (MIC : 12.5 to 50 µM, seventeen H. pylori strains).
Targets(IC50)	Others, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9551 mL	14.7754 mL	29.5508 mL
5 mM	0.591 mL	2.9551 mL	5.9102 mL
10 mM	0.2955 mL	1.4775 mL	2.9551 mL
50 mM	0.0591 mL	0.2955 mL	0.591 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

Bodet C, et al. Antibacterial activities of oxypropenylated chalcones and naphthoquinone against Helicobacter pylori. Nat Prod Commun. 2014 Sep;9(9):1299-301.

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