

## 3,4-Dihydroxy-2-methoxyxanthone

## Chemical Properties

CAS No. : 6702-55-2

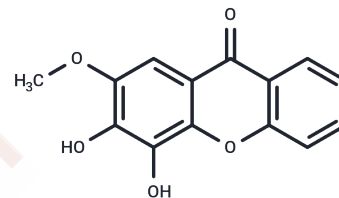
Formula: C<sub>14</sub>H<sub>10</sub>O<sub>5</sub>

Molecular Weight: 258.23

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	3,4-Dihydroxy-2-methoxyxanthone shows antibacterial, and hepatoprotective activities, it can prevent tert-butylhydroperoxide-induced lipid peroxidation and cell death in freshly isolated rat hepatocytes and is effective in preventing perturbation of cell glutathione homeostasis in some extent.
Targets(IC50)	Antibacterial
In vitro	The branches of Kielmeyera by n-hexane isolation of 3,4-Dihydroxy-2-methoxyxanthone, showed moderate to low activity against the tested MRSA strains.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8725 mL	19.3626 mL	38.7252 mL
5 mM	0.7745 mL	3.8725 mL	7.745 mL
10 mM	0.3873 mL	1.9363 mL	3.8725 mL
50 mM	0.0775 mL	0.3873 mL	0.7745 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

Coqueiro A, et al. Antistaphylococcal Prenylated Acylphoroglucinol and Xanthones from *Kielmeyera variabilis*. *J Nat Prod.* 2016 ; 79(3): 470-476.

Fernandes ER, et al. Hepatoprotective activity of xanthones and xanthonolignoids against tert-butylhydroperoxide-induced toxicity in isolated rat hepatocytes--comparison with silybin. *Pharm Res.* 1995 ; 12 (11):1756-1760.

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