
Product Data Sheet

Product Name: 3,6-Dihydroxyxanthone

Cat. No.: GC66212

Chemical Properties

Cas. No. 1214-24-0

Formula $C_{13}H_8O_4$ M.Wt 228.2

Solubility Storage 4°C, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

3,6-Dihydroxyxanthone (compound 3) is a xanthone derivatives. 3,6-Dihydroxyxanthone (compound 3) has anticancer activity. 3,6-Dihydroxyxanthone (compound 3) can be used for cancer research^[1].

3,6-Dihydroxyxanthone (compound 3) (3.906-1000 µg/mL; 24 hours) exhibits cytotoxic activity against WiDR and Vero cell lines with IC₅₀ values of 785.58 and 1280.9 µM^[1].

Cell Cytotoxicity Assay^[1]

Cell Line: WiDR and Vero cell lines

Concentration: 3.906, 7.813, 15.625, 31.25, 62.5, 125, 250 and 500 µg/mL (WiDR cell line)
7.813, 15.625, 31.25, 62.5, 125, 250, 500 and 1000 µg/mL (Vero cell line)

Incubation Time: 24 hours

Caution: Product has not been fully validated for medical applications. For research use only.

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Result: Inhibited cell activity and with IC₅₀ values of 785.58 and 1,280.9 μM for WiDR and Vero cell lines.

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