

Product Data Sheet

Product Name: 9-Hydroxycalabaxanthone

Cat. No.: GC60036

Chemical Properties

Cas. No. 35349-68-9

SMILES O=C1C2=C(OC3=C1C(C/C=C(C)\C)=C(OC)C(O)=C3)C=C4C(C=CC(C)(C)O4)=C2O

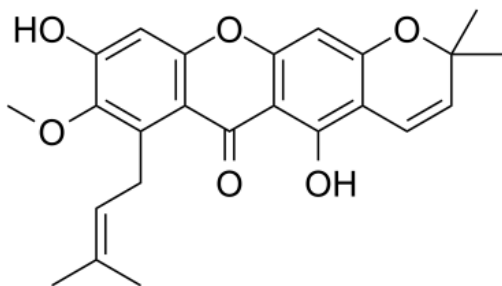
Formula $C_{24}H_{24}O_6$ M.Wt 408.44

Solubility DMSO : 50 mg/mL (122.42 mM; Need ultrasonic) Storage 4°C, protect from light

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

9-Hydroxycalabaxanthone (Xanthone I) is a known xanthone isolated from *Garcinia mangostana* Linn. 9-Hydroxycalabaxanthone has quorum-sensing inhibitory, anti-microbial, and anti-malarial activities ($IC_{50}=1.2-1.5 \mu M$)[1].

9-Hydroxycalabaxanthone inhibits the activities of 3D7 and K1 *P. falciparum* clones with IC_{50} values of 1.5 μM and 1.2 μM , respectively[1].

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

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[1]. Gamal A Mohamed, et al. Mangostanaxanthones I and II, New Xanthones From the Pericarp of Garcinia Mangostana. Fitoterapia. 2014 Oct;98:215-21. [2]. Wanna Chaijaroenkul, et al. The in Vitro Antimalarial Interaction of 9-hydroxycalabaxanthone and α -mangostin With mefloquine/artesunate. Acta Parasitol. 2014 Mar;60(1):105-11.

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