

Product Data Sheet

Product Name: Hexyl gallate

Cat. No.: GC39250

Chemical Properties

Cas. No. 1087-26-9

SMILES O=C(OCCCCC)C1=CC(O)=C(O)C(O)=C1

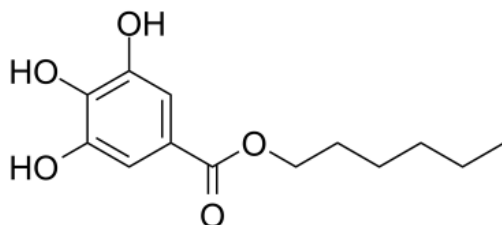
Formula $C_{13}H_{18}O_5$ M.Wt 254.28

Solubility DMSO: 41.67 mg/mL (163.87 mM) Storage Store at -20°C

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

Hexylgallate (Hexyl 3,4,5-trihydroxybenzoate), an alkyl ester derivative of gallic acid, exhibits potent antimalarial activity against *Plasmodium falciparum*, with IC₅₀ of 0.11 mM[1].

[1]. Ade Arsianti, et al. Synthesis and in vitro antimalarial activity of alkyl esters of gallate as a growth inhibitor of *plasmodium falciparum*. *Oriental Journal of Chemistry*, 34(2), 655-662.

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

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