
Product Data Sheet

Product Name: Tectol
Cat. No.: GC61318

Chemical Properties

Cas. No. 24449-39-6

SMILES OC1=C(C=CC=C2)C2=C(O3)C(C=CC3(C)C)=C1C4=C(C=CC5(C)C)C(O5)=C6C(C=CC=C6)=C4O

Formula $C_{30}H_{26}O_4$ M.Wt 450.53

Solubility Storage Store at -20°C

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

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

Structure

Background

Tectol, isolated from *Lippia sidoides*, exhibits significant activity against human leukemia cell lines HL60 and CEM[1]. Tectol is a farnesyltransferase (FTase) inhibitor with IC50s of 2.09 and 1.73 μM for human and *T. brucei* FTase, respectively. Tectol inhibits drug-resistant strain of *P. falciparum* (FcB1) with an IC50 of 3.44 μM[1][2].

[1]. Costa SM, et al. Chemical constituents from *Lippia sidoides* and cytotoxic activity. *J Nat Prod.* 2001;64(6):792-795. [2]. Cadelis MM, et al. Discovery and preliminary structure-activity relationship studies on tecomaquinone I and tectol as novel farnesyltransferase and plasmodial inhibitors. *Bioorg Med Chem.* 2016;24(14):3102-3107.

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

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