
Product Data Sheet

Product Name: Friedelin
Cat. No.: GC60169

Chemical Properties

Cas. No. 559-74-0

SMILES C[C@@]12[C@]([C@@]3([H])[C@](C)(CCC(C)(C)C3)CC1)(CC[C@]4(C)[C@]2([H])CC[C@@]([C@H]5C)(C)[C@@]4([H])CCC5=O)C

Formula C₃₀H₅₀O

M.Wt 426.72

Solubility THF : 7.14 mg/mL (16.73 mM; Need ultrasonic); DMSO : < 1 mg/mL (insoluble or slightly soluble) Storage

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

Friedelin is isolated from the leaves of *Maytenus ilicifolia* (Mart). Friedelin is a noncompetitive inhibitor of CYP3A4 with IC₅₀ and K_i values of 10.79 μM and 6.16 μM, respectively. Friedelin is also a competitive inhibitor of CYP2E1 with IC₅₀ and K_i values of 22.54 μM and 18.02 μM, respectively [1].

[1]. Wei J, et al. In vitro inhibitory effects of Friedelin on human liver cytochrome P450 enzymes. *Pharm Biol.* 2018 Dec;56(1):363-367.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA