

Product Data Sheet

Product Name: Bevirimat

Cat. No.: GC35508

Chemical Properties

Cas. No. 174022-42-5

SMILES OC([C@]1(CC[C@H]2C(C)=C)[C@@]2([H])[C@](CC[C@@]3([H])[C@]4(CC[C@]5([H])[C@@]3(CC[C@H](OC(CC(C)(C)C(O)=O)=O)C5(C)C)C)C)([H])[C@@]4(C)CC1)=O

Formula $C_{36}H_{56}O_6$ M.Wt 584.83

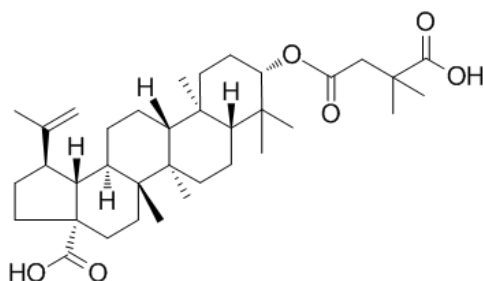
Solubility DMSO: ≥ 50 mg/mL (85.49 mM);
Water: < 0.1 mg/mL (insoluble)

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

Bevirimat (PA-457; MPC-4326; YK FH312) is an anti-HIV drug derived from a betulinic acid-like compound; is believed to inhibit HIV by a novel mechanism, so-called maturation inhibition.

[1]. Smith PF, et al. Phase I and II study of the safety, virologic effect, and pharmacokinetics/pharmacodynamics of single-dose 3-o-(3',3'-dimethylsuccinyl)betulinic acid

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

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(bevirimat) against human immunodeficiency virus infection. Antimicrob Agents Chemother. 2007 Oct;51(10):3574-81. [2]. Salzwedel K, et al. Maturation inhibitors: a new therapeutic class targets the virus structure. AIDS Rev. 2007 Jul-Sep;9(3):162-72. [3]. Martin DE, et al. Bevirimat: a novel maturation inhibitor for the treatment of HIV-1 infection. Antivir Chem Chemother. 2008;19(3):107-13.

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