
Product Data Sheet

Product Name: Golotimod
Cat. No.: GC36174

Chemical Properties

Cas. No. 229305-39-9

SMILES O=C(CC[C@@](N)(C(O)=O)[H])N[C@]([H])(C(O)=O)CC1=CNC2=C1C=CC=C2

Formula C₁₆H₁₉N₃O₅ M.Wt 333.34

Solubility H₂O : 125 mg/mL (374.99 mM; Need ultrasonic) 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

Golotimod (SCV-07), an immunomodulating peptide with antimicrobial activity, significantly increases the efficacy of antituberculosis therapy, stimulates thymic and splenic cell proliferation, and improves macrophage function. Golotimod (SCV-07) inhibits STAT3 signaling and modulates the duration and severity of oral mucositis in animal models that received radiation or a combination of radiation and Cisplatin. Golotimod (SCV-07) is a potential therapeutic for recurrent genital herpes simplex virus type 2 (HSV-2)[1][2][3]. STAT3[1]

[1]. Rose WA 2nd, et al. An immunomodulating dipeptide, SCV-07, is a potential therapeutic for recurrent genital herpes simplex virus type 2 (HSV-2). *Int J Antimicrob Agents*. 2008 Sep;32(3):262-6. [2]. Geiger JL, et al. The STAT3 pathway as a therapeutic target in head and neck cancer: Barriers and innovations. *Oral Oncol*. 2016 May;56:84-92. [3]. Watkins B, et al. Attenuation of radiation- and chemoradiation-induced mucositis using gamma-D-glutamyl-L-tryptophan (SCV-07). *Oral Dis*. 2010 Oct;16(7):655-60.

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