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## Product Data Sheet

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Product Name: Golotimod (TFA)

Cat. No.: GC36175

### Chemical Properties

Cas. No.

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

Formula	C <sub>18</sub> H <sub>20</sub> F <sub>3</sub> N <sub>3</sub> O <sub>7</sub>	M.Wt	447.36
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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 TFA (SCV 07 TFA), an immunomodulating peptide with antimicrobial activity, significantly increases the efficacy of antituberculosis therapy, stimulates thymic and splenic cell proliferation, and improves macrophage function. Golotimod TFA (SCV 07 TFA) 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 TFA (SCV 07 TFA) is a potential therapeutic for recurrent genital herpes simplex virus type 2 (HSV-2)[1][2][3]. STAT3[2]

[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.**

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