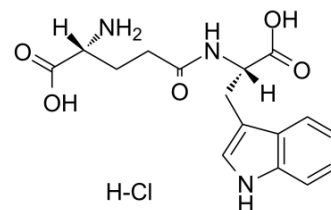


Golotimod hydrochloride

Cat. No.:	HY-14743B		
Molecular Formula:	C ₁₆ H ₂₀ ClN ₃ O ₅		
Molecular Weight:	369.8		
Target:	Bacterial; STAT		
Pathway:	Anti-infection; JAK/STAT Signaling; Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (338.02 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7042 mL	13.5208 mL	27.0416 mL
	5 mM	0.5408 mL	2.7042 mL	5.4083 mL
	10 mM	0.2704 mL	1.3521 mL	2.7042 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Golotimod hydrochloride (SCV 07 hydrochloride), an immunomodulating peptide with antimicrobial activity, significantly increases the efficacy of antituberculosis therapy, stimulates thymic and splenic cell proliferation, and improves macrophage function. Golotimod hydrochloride (SCV 07 hydrochloride) 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 hydrochloride (SCV 07 hydrochloride) is also a potential therapeutic for recurrent genital herpes simplex virus type 2 (HSV-2)^{[1][2][3]}.

IC₅₀ & Target

STAT3

REFERENCES

- [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.

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

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