

Product Data Sheet

Product Name: GLPG2534

Cat. No.: GC71226

Chemical Properties

Cas. No. 2095615-97-5

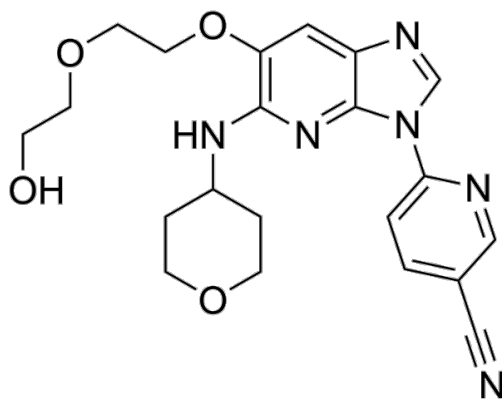
Formula $C_{21}H_{24}N_6O_4$ M.Wt 424.45

Solubility DMSO : 100 mg/mL (235.60 mM); Storage -20°C
Need ultrasonic; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

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

GLPG2534 is an orally active and selective IRAK4 inhibitor, with IC₅₀ values of 6.4 nM and 3.5 nM for human and mouse IRAK4. GLPG2534 can be used for the research of inflammatory skin diseases.

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

Product Data Sheet

GLPG2534 (2 h) inhibits IRAK4 with IC₅₀ values of 6.4 nM and 3.5 nM for human and mouse IRAK4^[1].

GLPG2534 inhibits IL-1 β -driven IL-6 release, with an IC₅₀ of 55 nM^[1].

GLPG2534 inhibits TNF- α -driven IL-6 release with an IC₅₀ of 6.6 μ M^[1].

GLPG2534 (0.1-10 μ M, 16 h) inhibits expression of S100A7, DEFB4A, CXCL8, TNF in Flagellin-stimulated keratinocytes^[1].

GLPG2534 (0.3-10 mg/kg, p.o.) Inhibits CL097-driven release of TNF- α in blood of mice ^[1].

GLPG2534 (10 and 30 mg/kg, p.o., b.i.d. 5 days) attenuates inflammation in psoriasis-like mouse models^[1].

GLPG2534 (3-30 mg/kg, p.o., b.i.d. 5 days) attenuates the development of IL-33- and MC903-induced AD-like skin inflammation in mice^[1].

References:

[1]. Lavazais S, et al. IRAK4 inhibition dampens pathogenic processes driving inflammatory skin diseases. Sci Transl Med. 2023 Feb 15;15(683):eabj3289.

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