
Product Data Sheet

Product Name: SP4206
Cat. No.: GC64482

Chemical Properties

Cas. No. 515846-21-6

Formula C₃₀H₃₇Cl₂N₇O₆

M.Wt 662.56

Solubility DMSO : 100 mg/mL (150.93 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

SP4206 is an IL-2/IL-2R α interaction inhibitor. SP4206 binds with high affinity ($K_d=70$ nM) to IL-2 and blocks binding to its natural receptor IL-2R α ($K_d=10$ nM)[1].

SP4206 binds the WT IL-2, IL-2 variant K35L/M39V, IL-2 variant P65A, and IL-2 variant V69A with EC₅₀s of 68.8, 80.1, 117.0, and 10.4 nM, respectively[1].

[1]. Thanos CD, et al. Hot-spot mimicry of a cytokine receptor by a small molecule. Proc Natl Acad Sci U S A. 2006 Oct 17;103(42):15422-7.

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

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