

Product Data Sheet

Product Name: STAT6-IN-9

Cat. No.: GC79466

Chemical Properties

Cas. No. 3092076-15-5

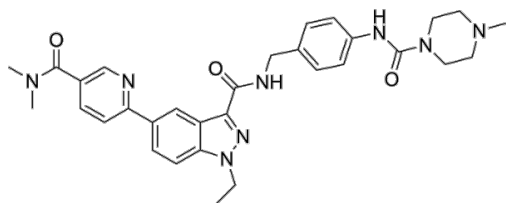
Formula $C_{31}H_{36}N_8O_3$ M.Wt 568.67

Solubility DMSO: 50 mg/mL (87.92 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

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

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STAT6-IN-9 is a potent STAT6 inhibitor with an EC 50 value of 4 nM. STAT6-IN-9 effectively blocks STAT6 activation mediated by the IL-13 -IL-13 receptor/ IL-4 receptor pathway. STAT6-IN-9 inhibits CCL17 secretion with an IC₅₀ value of 4.6 nM. STAT6-IN-9 can be used to investigate various chronic inflammatory diseases mediated by STAT6, such as allergy, asthma, and chronic obstructive pulmonary disease [1].

In Vitro, STAT6-IN-9 (compound 6) potently inhibits STAT6-mediated reporter gene activity with an EC₅₀ of 0.004 μ M and suppresses CCL17 production in human whole blood with an IC₅₀ of 0.046 μ M[1].

References:

[1]. CHOI, Chuho, et al. Nitrogen-Containing Heteroaryl Compounds for the Treatment of Chronic Diseases. Wo 2025/133961A1. World Intellectual Property Organization (WIPO) International Bureau. 26 June 2025.

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