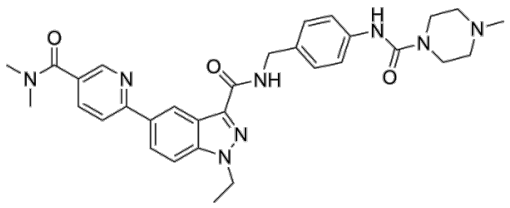
Product Data Sheet

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

Product Data Sheet

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 IC_{50} 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 μM and suppresses CCL17 production in human whole blood with an IC_{50} of 0.046 μM[1].

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

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