
Product Data Sheet

Product Name: SN-001
Cat. No.: GC67719

Chemical Properties

Cas. No. 727699-84-5

Formula $C_{26}H_{21}FN_2O_4S$

M.Wt 476.52

Solubility DMSO : 250 mg/mL (524.64 mM; Need ultrasonic)

Storage 4°C, protect from light

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

SN-001 is a **STING** inhibitor with an **IC₅₀** of 3.82 μM ^[1].

SN-001 targets the cyclic dinucleotide binding pocket of human STING^[1].

SN-001 (5-20 μM ; 6 h) significantly impairs the induction of *Ifnb* mRNA, in a dose-dependent manner in L929 cells^[1].

SN-001 (10 μM ; 3 h) inhibits cytosolic DNA-triggered STING signaling^[1].

Western Blot Analysis^[1]

Cell Line: L929 cells

Concentration: 10 μM

Incubation Time: 3 h

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

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Result: Decreased cytosolic DNA-induced phosphorylation of STING, TBK1, IRF3, I κ B α , and p65, as well as nuclear translocation of IRF3 and p65.

[1]. Hong Z, et al. STING inhibitors target the cyclic dinucleotide binding pocket. Proc Natl Acad Sci U S A. 2021 Jun 15;118(24):e2105465118.

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