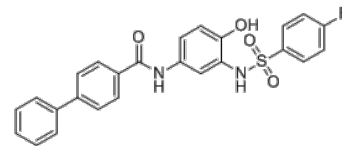


**Product Name** : SN-011  
**Cat. No.** : PC-38078  
**CAS No.** : 2249435-90-1  
**Molecular Formula** : C<sub>25</sub>H<sub>19</sub>FN<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 462.495  
**Target** : STING  
**Solubility** : 10 mM in DMSO



## Biological Activity

SN-011 (SN011) is a potent, selective STING antagonist with IC<sub>50</sub> of 76 nM (STING signaling inhibition).

SN-011 binds with higher affinity (K<sub>d</sub>=4.03 nM) to the cyclic dinucleotide (CDN)-binding pocket of STING than endogenous 2'3'-cGAMP (K<sub>d</sub>=9.23 nM).

SN-011 (1 μM) significantly suppresses the induction of *Ifnb*, *Cxcl10*, and *Il6* mRNA in MEFs activated by various canonical STING stimulators (ISD, HT-DNA, HSV-1, c-di-GMP, and 2'3'-cGAMP).

SN-011 specifically inhibits STING activation and STING-dependent signaling.

SN-011 suppresses systemic inflammation and death in *Trex1*<sup>-/-</sup> mice.

## References

Hong Z, et al. *Proc Natl Acad Sci U S A*. 2021 Jun 15;118(24):e2105465118.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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