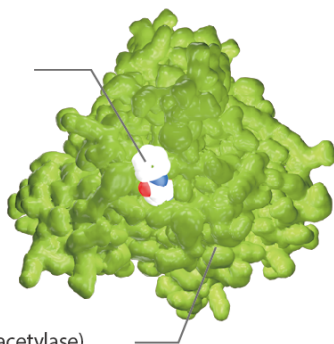


STING

Stimulator of Interferon Genes;TMEM173;MITA;ERIS;MPYS

HDAC Inhibitor:
Vorinostat (SAHA)



HDAC (Histone deacetylase)

STING (Stimulator of Interferon Genes) is a transmembrane protein localized to the endoplasmic reticulum that undergoes a conformational change in response to direct binding of cyclic dinucleotides (CDNs), resulting in a downstream signaling cascade involving TBK1 activation, IRF-3 phosphorylation, and production of IFN- β and other cytokines.

STING is a pattern recognition receptor of cyclic dinucleotides as well as an innate immune adaptor protein that enables signaling from cytoplasmic receptors to the transcription factor interferon regulatory factor 3. Initiation of these pathways leads to the expression of type I interferons and proteins associated with antiviral and antitumor immunity. Small molecules capable of triggering STING-dependent cellular processes are effective at blocking virus replication, enhancing vaccine efficacy, and facilitating immune response to cancer cells.

STING Inhibitors & Modulators

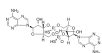
ADU-S100

(ML RR-S2 CDA; MIW815)

Cat. No.: HY-12885

Bioactivity: ADU-S100 is an inducer of **STING** (stimulator of interferon genes). ADU-S100 has enhanced binding affinity to STING and activate all known human STING alleles.

Purity: 99.23%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 25 mg, 50 mg

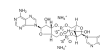


ADU-S100 ammonium salt

(ML RR-S2 CDA (ammonium salt); MIW815 (ammonium salt)) Cat. No.: HY-12885B

Bioactivity: ADU-S100 ammonium salt is an activator of stimulator of interferon genes (**STING**).

Purity: 99.23%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg



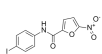
C-176

(STING inhibitor 1)

Cat. No.: HY-112906

Bioactivity: C-176 is a strong and covalent mouse **STING** inhibitor.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

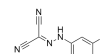


CCCP (Carbonyl cyanide 3-chlorophenylhydrazone; Carbonyl Cyanide m-Chlorophenylhydrazone)

Cat. No.: HY-100941

Bioactivity: CCCP is an oxidative phosphorylation uncoupler.

Purity: 99.83%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 50 mg



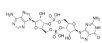
cGAMP

(Cyclic AMP-GMP; Cyclic GMP-AMP)

Cat. No.: HY-12512

Bioactivity: cGAMP(Cyclic GMP-AMP) is an endogenous second messenger in metazoans and triggers interferon production in response to cytosolic DNA; STING ligand. Target: in vitro: cGAMP induced IFN β RNA robustly even at concentrations as low as 10 nM. cGAMP was much more potent than c-di-GMP in inducing IFN β ...

Purity: 98.56%
Clinical Data: No Development Reported
Size: 10mM x 1mL in Water, 500u g, 1 mg

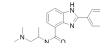


ChX710

Cat. No.: HY-112951

Bioactivity: ChX710 could prime the type I interferon response to cytosolic DNA, which induces the ISRE promoter sequence, specific cellular Interferon-Stimulated Genes (ISGs), and the phosphorylation of Interferon Regulatory Factor (IRF) 3.

Purity: >98%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg



CL656

(c-[2'FdAMP(S)-2'FdIMP(S)])

Cat. No.: HY-112878

Bioactivity: CL656 is an activator of stimulator of interferon genes (**STING**).

Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg



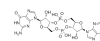
Cyclic-di-GMP

(c-di-GMP; cyclic diguanylate; 5GP-5GP)

Cat. No.: HY-107780

Bioactivity: Cyclic-di-GMP is a **STING** agonist and a ubiquitous second messenger that regulates biofilm formation, motility, and virulence in diverse bacterial species.

Purity: 99.26%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 1 mg

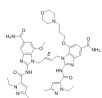


diABZI STING agonist-1

Cat. No.: HY-112921A

Bioactivity: diABZI STING agonist-1 is a selective stimulator of interferon genes (**STING**) receptor agonist.

Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg

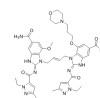


diABZI STING agonist-1 Tautomerism

Cat. No.: HY-112921

Bioactivity: diABZI STING agonist-1 (Tautomerism) is a selective stimulator of interferon genes (**STING**) receptor agonist, with an **EC₅₀** of 130 for human PBMCs.

Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg

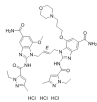


diABZI STING agonist-1 trihydrochloride

Cat. No.: HY-112921B

Bioactivity: diABZI STING agonist-1 (trihydrochloride) is a selective stimulator of interferon genes (**STING**) receptor agonist.

Purity: 99.68%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg

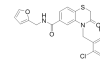


STING agonist-1 (G10)

Cat. No.: HY-19711

Bioactivity: STING agonist-1 (G10) is a novel human-specific STING agonist that elicits antiviral activity against emerging Alphaviruses. G10 potently blocks replication of Alphavirus species Venezuelan Equine Encephalitis Virus (VEEV) (IC₉₀ = 24.57 μ...

Purity: 99.06%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



STING ligand-1

Cat. No.: HY-114399

Bioactivity: STING ligand-1 is a lead **STING** ligand with an IC₅₀ of 68 nM for HAQ STING [1].

Purity: >98%
Clinical Data: No Development Reported
Size: 500 mg, 250 mg



Vadimezan

(ASA-404; DMXAA)

Cat. No.: HY-10964

Bioactivity: Vadimezan (ASA-404; DMXAA), the tumor vascular disrupting agent (tumor-VDA), is a murine agonist of the **stimulator of interferon genes (STING)** and also a potent inducer of **type I IFNs** and other cytokines.

Purity: 99.81%
Clinical Data: Phase 2
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

