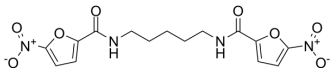
STING agonist-30

Cat. No.:	HY-149267
CAS No.:	2951078-67-2
Molecular Formula:	$C_{15}H_{16}N_4O_8$
Molecular Weight:	380.31
Target:	STING; SARS-CoV
Pathway:	Immunology/Inflammation; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

STING agonist-30 is a potent STING agonist. STING agonist-30 exhibits STING-dependent immune activation. STING agonist-30 has extensive inhibitory effects on various viruses, including the herpes simplex virus (HSV), rotavirus, and severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)[1].

In Vitro

STING agonist-30 (compound 23; 20 μM; 5 h) increases TBK1 phosphorylation in wild-type HT1080 cells but not in HT1080 STING-KO cells[1].

STING agonist-30 (20 μM; 8 h) boosts interferon β (IFNβ) and TNF-α expression[1].

STING agonist-30 (0-20 μM; 5 h) activates both mouse and human STING in a dose-dependent manner[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Western Blot Analysis[1]

Cell Line:	HT1080, THP1, BMDMs and MEFs
Concentration:	2.5, 5, 10, and 20 μM
Incubation Time:	5 hours
Result:	Induced obvious dimeric STING bands.

REFERENCES

[1]. Zang R, et, al. Design and syntheses of a bimolecular STING agonist based on the covalent STING antagonist. Eur J Med Chem. 2023 Mar 15;250:115184.

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