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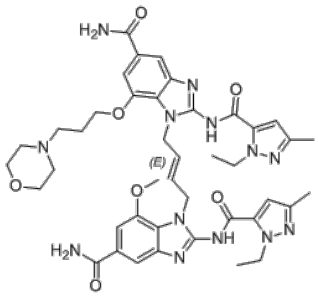
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	STING agonist diABZI 3
Cat. No.	:	PC-35784
CAS No.	:	2138299-33-7
Molecular Formula	:	$C_{42}H_{51}N_{13}O_7$
Molecular Weight	:	849.954
Target	:	STING
Solubility	:	10 mM in DMSO



Biological Activity

STING agonist diABZI 3 is an amidobenzimidazole (ABZI)-based compound that functions as a potent, specific, non-nucleotide **STING agonist**, induces dose-dependent activation of STING and secretion of IFN-β with EC50 of 130 nM in human PBMCs.
STING agonist diABZI 3 is more than 400-fold more potent than cGAMP, also demonstrates high selectivity against >350 kinases.
STING agonist diABZI 3 activates secretion of IFNβ, IL-6, TNF, and KC/GROα (also known as CXCL1) in wild-type but not Sting−/− mice, induces STING-dependent activation of type-I interferon and pro-inflammatory cytokines in vivo via subcutaneous injection.
STING agonist diABZI 3 exhibits durable anti-tumour effect and causes complete tumour regression in syngeneic mouse model of colorectal tumours (CT-26) in BALB/c mice.

References

Ramanjulu JM, et al. ***Nature.*** 2018 Nov 7. doi: 10.1038/s41586-018-0705-y.

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