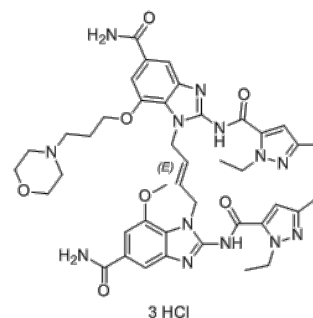


Product Name : STING agonist diABZI compound 3
Cat. No. : PC-35785
CAS No. : 2138299-34-8
Molecular Formula : C₄₂H₅₄Cl₃N₁₃O₇
Molecular Weight : 959.328
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

STING agonist diABZI compound 3 (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 compound 3 is more than 400-fold more potent than cGAMP, also demonstrates high selectivity against >350 kinases.

STING agonist diABZI compound 3 activates secretion of IFN β , IL-6, TNF, and KC/GRO α (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 compound 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.

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

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