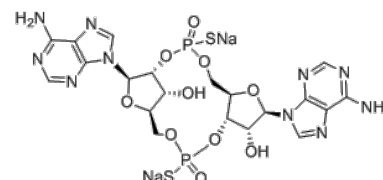


Product Name : ADU-S100 disodium salt
Cat. No. : PC-62639
CAS No. : 1638750-95-4
Molecular Formula : C₂₀ H₂₄ N₁₀ O₁₀ P₂ S₂ · 2 Na
Molecular Weight : 734.5
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

ADU-S100 (MIW815, ML RR-S2 CDA) disodium salt is a synthetic cyclic dinucleotide derivative that functions as a highly potent agonist of **STING**, enhances binding affinity to STING and activates all known human STING alleles. ADU-S100 shows enhanced type I IFN production over CDA in THP-1 human monocytes, induces the highest expression of IFN-β and the pro-inflammatory cytokines TNF-α, IL-6, and MCP-1 on a molar equivalent basis, as compared to endogenous ML cGAMP and the TLR3 agonist poly I:C. ADU-S100 also induces aggregation of STING and induces phosphorylation of TBK1 and IRF3 in mouse BMM, induces significantly higher levels of IFN-α when compared to ML cGAMP. ADU-S100 demonstrates profound anti-tumor efficacy in established B16 melanoma.

References

Cancer Discov. 2018 Jan 25. doi: 10.1158/2159-8290.CD-ND2018-002.

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

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