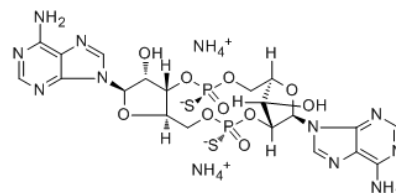


Product Name : ADU-S100 ammonium salt
Cat. No. : PC-43284
CAS No. : 1638750-96-5
Molecular Formula : C₂₀H₃₀N₁₂O₁₀P₂S₂
Molecular Weight : 724.604124
Target : STING
Solubility : DMSO: 15 mg/mL; H₂O: 12.5 mg/mL



Biological Activity

ADU-S100 (ML RR-S2 CDA ammonium salt, MIW815) 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.

ML RR-S2 CDA ammonium salt 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.

ML RR-S2 CDA ammonium salt 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.

ML RR-S2 CDA ammonium salt demonstrates profound anti-tumor efficacy in established B16 melanoma.

References

Corrales L, et al. *Cell Rep.* 2015 May 19;11(7):1018-30.

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

E-mail: tech@probechem.com