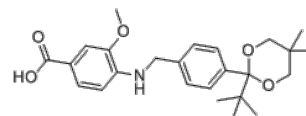


Product Name : NVS-STG2
Cat. No. : PC-21582
CAS No. : 3030588-01-0
Molecular Formula : C₂₅H₃₃NO₅
Molecular Weight : 427.54
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

NVS-STG2 is a small molecule **STING** agonist with AC₅₀ of 5.2 μM in ISRE-Luc reporter assays, induces STING-dependent IRF3 phosphorylation in THP1 cells.

NVS-STG2 targets STING transmembrane domain (TMD).

NVS-STG2 is a molecular glue promotes STING oligomerization, enhances the interface of the two STING dimers, thereby promoting the high-order oligomerization of STING.

NVS-STG2 activates human but not mouse STING.

NVS-STG2 induces antitumor activity and immune response in hSTING knock-in mice, exhibits a dose-dependent and significant induction of T cell priming response.

References

Jie Li, et al. *Nat Chem Biol*. 2023 Oct 12. doi: 10.1038/s41589-023-01434-y.

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

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