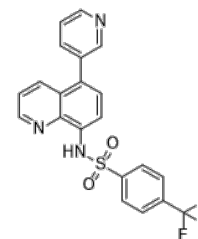


Product Name : STING degrader AK59
Cat. No. : PC-22439
CAS No. :
Molecular Formula : C₂₁H₁₄F₃N₃O₂S
Molecular Weight : 429.42
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

STING degrader AK59 (AK59-51TB) is a small molecule **STING degrader** leveraging HECT-domain E3 ligase HERC4, inhibits the cGAS/STING pathway via degradation of STING by proteasomal degradation.

AK59-51TB able to induce the degradation of STING-SAVI mutants, induces STING degradation in CD14+ human PBMCs.

AK59-mediated STING degradation acts through the UPS involving HERC4, UBA5, and UBA6 as regulatory factors.

AK59 degrades STING by inducing its interaction with the E3 ligase HERC4.

References

Mutlu M, et al. *Nat Commun.* 2024 May 29;15(1):4584.

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

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