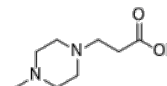


Product Name : F1929-1458
Cat. No. : PC-24780
CAS No. : 55480-45-0
Molecular Formula : C₈H₁₆N₂O₂
Molecular Weight : 172.23
Target : NF-κB
Solubility : 10 mM in DMSO



Biological Activity

F1929-1458 is a small molecule NFKB1 (Nuclear factor κB subunit 1, NF-κB subunit 1) agonist, activates NF-κB signaling pathway, promotes anti-tumor immunity by remodeling the TME and activating DCs.

F1929-1458 elicits cellular stress, causing tumor cells to release DAMPs (HMGB1-gDNA complex, ATP, and OxLDL)..

F1929-1458 stimulate the cGAS-STING and NLRP3 inflammasome pathways in DCs, resulting in the generation of type I IFNs and IL-1β.

F1929-1458 treatment enhanced T cell infiltration and T cell mediated tumor regression.

F1929-1458 and the anti-PD-1 antibody exhibited a synergistic anti-tumor effect.

References

Ying Chen, et al. J Transl Med. 2025 May 20;23(1):561.

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

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