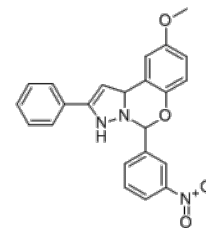


Product Name : Phox-I1
Cat. No. : PC-62448
CAS No. : 1388151-90-3
Molecular Formula : C₂₃H₁₉N₃O₄
Molecular Weight : 401.422
Target : Small GTPase
Solubility : 10 mM in DMSO



Biological Activity

Phox-I1 is a specific small molecule inhibitor of **Rac1-p67phox** interaction, binds to the Rac1 interactive site of p67phox specifically (K_i=100 nM) and interferes with Rac1-GTP interaction with p67phox.

Phox-I1 is active in suppressing ROS production in both human and murine neutrophils.

Phox-I1 is effective in inhibiting NOX2-mediated superoxide production dose-dependently in human and murine neutrophils without detectable toxicity.

Phox-I1 inhibited collagen-induced platelet aggregation without affecting the tail bleeding time, inhibited in vivo platelet adhesion/accumulation at the laser injury sites on the saphenous vein without affecting the time for complete cessation of blood loss.

References

Bosco EE, et al. *Chem Biol.* 2012 Feb 24;19(2):228-42.

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

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