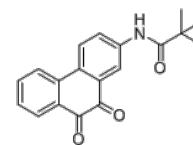


Product Name : SF1670
Cat. No. : PC-49492
CAS No. : 345630-40-2
Molecular Formula : C₁₉H₁₇NO₃
Molecular Weight : 307.34
Target : PTEN
Solubility : 10 mM in DMSO



Biological Activity

SF1670 (SF 1670) is a highly potent and specific small molecule **PTEN** inhibitor with IC₅₀ of 2 μ M, increases cellular PtdIns(3,4,5)P₃ levels, phosphorylation of Akt, and glucose uptake in adipocytes at nanomolar concentrations.

SF1670 (500 nM) enhances fMLP-induced PtdIns(3,4,5)P₃ signaling in both human and mouse neutrophils.

SF1670 increases chemoattractant-elicited superoxide production in both human and mouse neutrophils, augments fMLP-induced polarization and chemotaxis.

SF1670 enhances the recruitment of transfused neutrophils to the inflamed peritoneal cavity, as well as the bactericidal capability of the host.

References

Li Y, et al. **Blood**. 2011 Jun 16;117(24):6702-13.

Rosivatz E, et al. **ACS Chem Biol**. 2006;1(12):780–790.

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

E-mail: tech@probechem.com