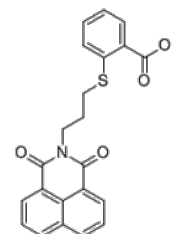


Product Name : GRI 977143
Cat. No. : PC-60890
CAS No. : 325850-81-5
Molecular Formula : C₂₂H₁₇NO₄S
Molecular Weight : 391.44
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

GRI 977143 is a potent, specific and nonlipid agonist of **LPA2** receptor with EC₅₀ of 3.3 μ M, does not activate any of the other LPA GPCRs (>10 μ M).

GRI 977143 also inhibits LPA3 with IC₅₀ of 6.6 μ M.

GRI 977143 reduces the activation of caspases 3, 7, 8 and 9 and inhibits PARP1 cleavage and DNA fragmentation in different extrinsic and intrinsic models of apoptosis in vitro.

GRI 977143 promotes carcinoma cell invasion of human umbilical vein endothelial cell monolayers and fibroblast proliferation.

References

Kiss GN, et al. *Mol Pharmacol*. 2012 Dec;82(6):1162-73.

Lin KH, et al. *Sci Rep*. 2016 May 31;6:27050.

Patil R, et al. *Chem Biol*. 2015 Feb 19;22(2):206-16.

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

E-mail: tech@probechem.com