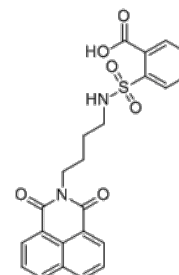


Product Name : DBIBB
Cat. No. : PC-60889
CAS No. : 1569309-92-7
Molecular Formula : C₂₃H₂₀N₂O₆S
Molecular Weight : 452.5
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

DBIBB is a potent and specific, nonlipid agonist of **LPA2** receptor with EC₅₀ of 100 nM, without activating or inhibiting LPA1/3/4/5 receptors.

DBIBB displays 33-fold increased potency over GRI977143.

DBIBB mitigates the gastrointestinal radiation syndrome, increases intestinal crypt survival and enterocyte proliferation and reduces apoptosis.

DBIBB enhances DNA repair by augmenting the resolution of γ -H2AX foci, increases clonogenic survival of irradiated IEC-6 cells, attenuates the radiation-induced death of human CD34(+) hematopoietic progenitors and enhances the survival of the granulocyte/macrophage lineage in mice.

References

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

Knowlden SA, et al. *Am J Respir Cell Mol Biol.* 2016 Mar;54(3):402-9.

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

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