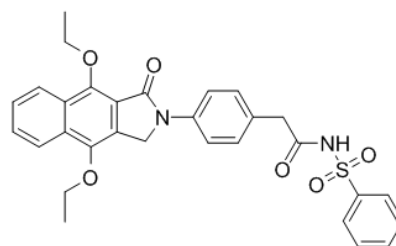


Product Name : GW627368
Cat. No. : PC-45103
CAS No. : 439288-66-1
Molecular Formula : C₃₀H₂₈N₂O₆S
Molecular Weight : 544.6181
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



Biological Activity

GW627368 is a potent and selective competitive antagonist of prostanoid **EP4** receptor with pK_i of 7.0. GW627368 also binds to human prostanoid TP receptors (pK_i=6.8) but not the TP receptors of other species. GW627368 produces 100% inhibition of U-46619 (EC100)-induced aggregation at 10 uM (pA₂=7.0). GW627368 also inhibits proliferation and induces apoptosis in cervical cancer by interfering with EP4/EGFR interactive signaling.

References

- Wilson RJ, et al. *Br J Pharmacol.* 2006 Jun;148(3):326-39.
Parida S, et al. *Cell Death Dis.* 2016 Mar 24;7:e2154.
Parida S, et al. *Cancer Biol Ther.* 2015;16(6):922-32.

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

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