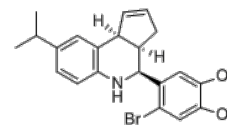


Product Name : GPER antagonist G36
Cat. No. : PC-60269
CAS No. : 1392487-51-2
Molecular Formula : C₂₂H₂₂BrNO₂
Molecular Weight : 412.3
Target : GPER (GPR30)
Solubility : 10 mM in DMSO



Biological Activity

GPER antagonist G36 is a potent, selective, cell-permeable **GPER**/GPR30 antagonist that inhibits activation by either 17 β -estradiol or the GPER-selective agonist G-1 with IC₅₀ of 112 nM and 165 nM, respectively.

GPER antagonist G36 has no detectable binding activity to either ER α or ER β .

GPER antagonist G36 inhibits estrogen- and G-1-mediated calcium mobilization as well as ERK1/2 activation, with no effect on EGF-mediated ERK1/2 activation.

References

Dennis MK, et al. *J Steroid Biochem Mol Biol*. 2011 Nov;127(3-5):358-66.

Ashton AW, et al. *Mol Endocrinol*. 2015 Aug;29(8):1144-55.

Evans NJ, et al. *PLoS One*. 2016 Mar 21;11(3):e0152138.

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

E-mail: tech@probechem.com