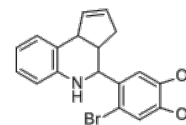


Product Name : G15
Cat. No. : PC-60268
CAS No. : 1161002-05-6
Molecular Formula : C₁₉H₁₆BrNO₂
Molecular Weight : 370.24
Target : GPER (GPR30)
Solubility : 10 mM in DMSO



Biological Activity

G15 (GPR30 inhibitor G15) is a potent, selective **GPER/GPR30** antagonist with K_i of 20 nM.

G15 displays little binding affinity to ER α or ER β at 10 μ M.

G15 inhibits the G-1-mediated activation of PI3K, also effectively blocks the estrogen-mediated response in GPR30-transfected cells.

G15 also blocks G-1-induced proliferation in the ovariectomized mouse model.

References

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

Dennis MK, et al. *Nat Chem Biol*. 2009 Jun;5(6):421-7.

Sharma G, et al. *Endocrinology*. 2011 Aug;152(8):3030-9.

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

E-mail: tech@probechem.com