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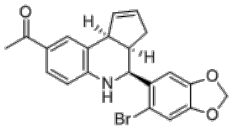
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	GPER agonist G-1
Cat. No.	:	PC-60270
CAS No.	:	881639-98-1
Molecular Formula	:	$C_{21}H_{18}BrNO_3$
Molecular Weight	:	412.28
Target	:	GPER (GPR30)
Solubility	:	10 mM in DMSO



Biological Activity

GPER agonist G-1 (Tespria) is potent and selective **GPER/GPR30** agonist with Ki of 11 nM, EC50 of 2 nM.
GPER agonist G-1 displays no activity at ERα and ERβ at concentrations up to 10 uM.
GPER agonist G-1 increases cytosolic Ca2+ and inhibits migration of SKBr3 cells and MCF-7 cells in response to chemoattractants with IC50 of 0.7 and 1.6 nM respectively.
GPER agonist G-1 induces cell cycle arrest, DNA damage and cell death by the activation of the intrinsic apoptotic mechanism in H295R cells.

References

Wang C, et al. ***Mol Endocrinol.*** 2008 Mar;22(3):636-48.

Chimento A, et al. ***Oncotarget.*** 2015 Aug 7;6(22):19190-203.

Ahola TM, et al. ***Endocrinology.*** 2002 Sep;143(9):3376-84.

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

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