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G36

产品编号: D58008
CAS: 1392487-51-2
分子式: C22H22BrNO2
纯度: 99.86%
InChi Key: InChIKey=QTOCPACSSHFGOY-ZCCHDVMBSA-N
Smiles: BrC1=C([C@H]2[C@@]3([C@](C=4C(N2)=CC=C(C(C)C)C4)(C=CC3)[H])[H])C=C5C(=C1)OCO5
外观: 固体粉末
作用通路: Endocrinology/Hormones
作用靶点: Estrogen Receptor/ERR
溶解性: DMSO : 45.0 mg/mL (109.1 mM; ultrasonic and warming and heat to 80°C)
保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
产品介绍: G36 is a cell-permeable non-steroidal antagonist of GPER. G36 inhibits activation by either 17β-estradiol or the GPER-selective agonist G-1 (IC50 = 112 and 165 nM, respectively). G36 has no detectable binding activity to either ERα or ERβ. G36 blocks the activation of PI3K or calcium mobilization triggered by estrogen through GPER and it suppresses ERK activation by estrogen or G-1 but not by EGF. G-36 can be used in combination with GPER-selective agonists, like G-1, to distinguish the roles of GPER from those of ERα and ERβ in complex biological systems.