# G36

**Cat. No.:** HY-103450

**CAS No.:** 1392487-51-2

**Molecular Formula:** $C_{22}H_{22}BrNO_2$

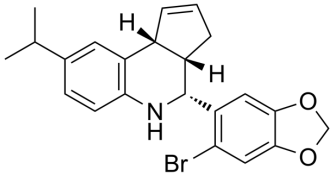
**Molecular Weight:** 412.32

**Target:** Estrogen Receptor/ERR

**Pathway:** Others

**Storage:**

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 50 mg/mL (121.27 mM; ultrasonic and warming and heat to 80°C)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 2.4253 mL | 12.1265 mL | 24.2530 mL |
| | 5 mM | 0.4851 mL | 2.4253 mL | 4.8506 mL |
| | 10 mM | 0.2425 mL | 1.2127 mL | 2.4253 mL |

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

**Description**

G-36 is a cell permeable non-steroidal antagonist of G-protein-coupled estrogen receptor (GPER/GPR30) which selectively inhibits estrogen-mediated activation of PI3K by GPER, but not by ERα. G-36 also inhibits estrogen-mediated calcium mobilization ($IC_{50}$=112 nM)[1].

## REFERENCES

[1]. Dennis MK, Field AS, Burai R, Ramesh C, Petrie WK, Bologa CG, Oprea TI, Yamaguchi Y, Hayashi S, Sklar LA, Hathaway HJ, Arterburn JB, Prossnitz ER. Identification of a GPER/GPR30 antagonist with improved estrogen receptor counterselectivity. J Steroid Biochem Mol Biol. 2011 Nov;127(3-5):358-66.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA