

## GW1100, GPR40 antagonist

Catalog	Unit
TBI4516-5MG	5 mg
TBI4516-25MG	25 mg

### Product Details

**Formal Name:** 1-(4-Ethoxycarbonylphenyl)-2-(4-fluorobenzylthio)-5-(2-ethoxy-5-pyrimidinylmethyl)-4-pyrimidinone

**Molecular Formula:** C<sub>27</sub>H<sub>25</sub>FN<sub>4</sub>O<sub>4</sub>S

**Formula Weight:** 520.59

**CAS Number:** 306974-70-9

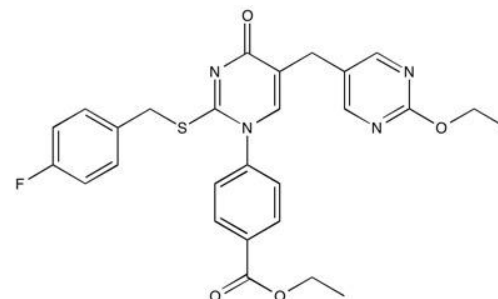
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 2 mg/ml) or in DMF (up to 5 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

GPR40 antagonist

### Functions

Selective antagonist of GPR40. GW1100 inhibits GPR40-mediated Ca<sup>2+</sup> increases stimulated GW9508 or linoleic acid (pIC<sub>50</sub> = 5.99 for either agonist). The effects of GPR40 activation on insulin secretion in cells are also blocked by the addition of GW1100. GW1100 does not influence calcium mobilization mediated by GPR120.

### Application Procedures

First dissolved in DMSO (up to 2 mg/ml) or in DMF (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or DMF may be stored at -20° for up to 3 months. Dilutions into aqueous media are not stable and should be used within one working day.

**For research use only.**