

**Catalog # 10-4516**

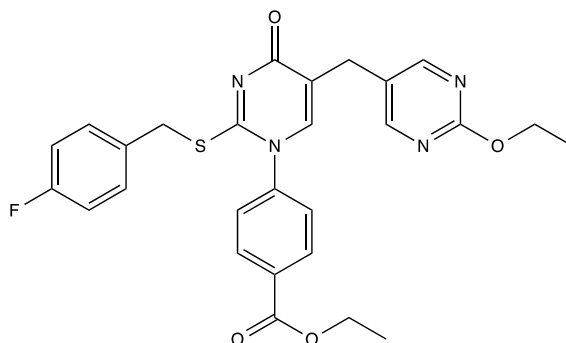
**GW1100**

CAS# 306974-70-9

SB376752

1-(4-Ethoxycarbonylphenyl)-2-(4-fluorobenzylthio)-5-(2-ethoxy-5-pyrimidinylmethyl)-4-pyrimidinone

Lot # FBM2075



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).<sup>1</sup> 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.

- 1) Brisco *et al.* (2006), *Pharmacological regulation of insulin secretion in MIN6 cells through fatty acid receptor GPR40: identification of agonist and antagonist molecules*; Br. J. Pharmacol., **148** 619

**PHYSICAL DATA**

Molecular Weight:	520.59
Molecular Formula:	C <sub>27</sub> H <sub>25</sub> FN <sub>4</sub> O <sub>4</sub> S
Purity:	96% by LCMS
	NMR: (Conforms)
Solubility:	DMSO (up to 2 mg/ml) or DMF (up to 5 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or DMF may be stored at -20°C for up to 3 months.

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