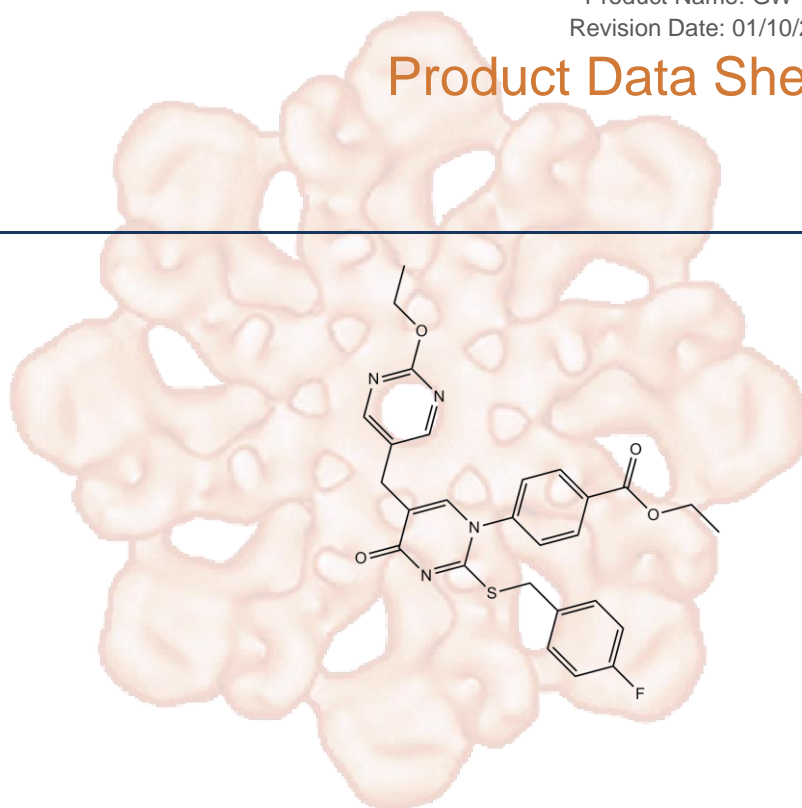


# Product Data Sheet

## GW-1100

<b>Cat. No.:</b>	A3452
<b>CAS No.:</b>	306974-70-9
<b>Formula:</b>	C <sub>27</sub> H <sub>25</sub> FN <sub>4</sub> O <sub>4</sub> S
<b>M.Wt:</b>	520.59
<b>Synonyms:</b>	GW1100;GW1100
<b>Target:</b>	GPCR/G protein
<b>Pathway:</b>	Free Fatty Acid Receptors
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

Soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	1.9209 mL	9.6045 mL	19.2090 mL
	5 mM	0.3842 mL	1.9209 mL	3.8418 mL
	10 mM	0.1921 mL	0.9604 mL	1.9209 mL

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

## Biological Activity

Shortsummary

GPR40 antagonist

 IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Preparation method:

In Vivo

### Animal experiment

Applications:

## Product Citations

1. Gao, Bo, et al. "Ginsenoside-Rb2 inhibits dexamethasone-induced apoptosis through promotion of GPR120 induction in bone marrow-derived mesenchymal stem cells." *Stem cells and development* ja (2014).

2. Gao, Bo, et al. "Dose-response estrogen promotes osteogenic differentiation via GPR40 (FFAR1) in murine BMSCs." *Biochimie* (2015). PMID:25576830

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

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