**Product Information**

**GW 1929**

*Item No. 13689*

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**CAS Registry No.:** 196808-24-9  
**Formal Name:** N-(2-benzoylphenyl)-O-[2-(methyl-2-pyridinylamino)ethyl]-L-tyrosine  
**MF:** C$_{30}$H$_{29}$N$_3$O$_4$  
**FW:** 495.6  
**Purity:** ≥98%  
**Stability:** ≥2 years at -20°C  
**Supplied as:** A crystalline solid

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**Laboratory Procedures**

For long term storage, we suggest that GW 1929 be stored as supplied at -20°C. It should be stable for at least two years. GW 1929 is supplied as a crystalline solid. A stock solution may be made by dissolving the GW 1929 in the solvent of choice. GW 1929 is soluble in organic solvents such as methanol and DMSO.

Peroxisome proliferator-activated receptor (PPAR) $\gamma$ is a nuclear receptor that, when activated, regulates fatty acid storage and glucose metabolism.\(^1\) The best known class of PPAR ligands are the thiazolidinediones, including troglitazone (Item No. 71750) and rosiglitazone (Item No. 71740).\(^2\) GW 1929 is a non-thiazolidinedione activator of PPAR$\gamma$ that binds with a $K_i$ value of 1.4 nM, with greater than 1,000-fold selectivity over other PPAR subtypes.\(^3\) It has antihyperglycemic and anti-hyperlipidemic activity when given orally in mouse and rat models of type 2 diabetes.\(^4\) In addition, GW 1929 ameliorates neurological damage in global cerebral ischemic-reperfusion injury through reduction in inflammation and DNA fragmentation.\(^5\) Both *in vitro* and *in vivo* effects of GW 1929 on PPAR$\gamma$ greatly exceed those produced by troglitazone.\(^1,4\) In addition, GW 1929 has neuroprotective effects in global cerebral ischemic-reperfusion injury that are related to reduced inflammation and apoptotic DNA fragmentation.\(^5\)

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**References**


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**Related Products**

For a list of related products please visit: [www.caymanchem.com/catalog/13689](http://www.caymanchem.com/catalog/13689)

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**WARNING:** This product is for laboratory research only; not for administration to humans. Not for human or veterinary diagnostic or therapeutic use.

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**SAFETY DATA**

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent with your purchase.

**WARRANTY AND LIMITATION OF REMEDY**

Cayman Chemical makes no warranty or guarantee of any kind, whether written or oral, expressed or implied, including without limitation, any warranty of fitness for a particular purpose, suitability and merchantability, which extends beyond the description of the chemicals hereof. Cayman warrants only to the original customer that the material will meet our specifications at the time of delivery. Cayman will carry out its delivery obligations with due care and skill. Thus, in no event will Cayman have any obligation or liability, whether in tort (including negligence) or in contract, for any direct, indirect, incidental or consequential damages, even if Cayman is informed about their possible existence.

This limitation of liability does not apply in the case of intentional acts or negligence of Cayman, its directors or its employees. Buyer’s exclusive remedy and Cayman’s sole liability hereunder shall be limited to a refund of the purchase price, or at Cayman’s option, the replacement, at no cost to Buyer, of all material that does not meet our specifications.

Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.