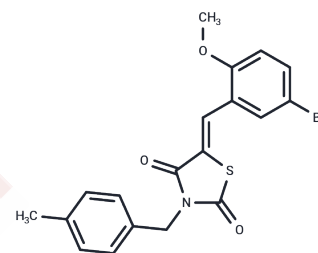


GQ-16

## Chemical Properties

CAS No. : 870554-67-9  
 Formula: C<sub>19</sub>H<sub>16</sub>BrNO<sub>3</sub>S  
 Molecular Weight: 418.3  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GQ-16 is a partial agonist of PPAR $\gamma$ with a K <sub>i</sub> of 160 nM. GQ-16 reduces adipogenic actions and promotes insulin Sensitization without weight gain.
Targets(IC50)	PPAR

## Solubility Information

Solubility	DMSO: 4.19 mg/mL (10.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3906 mL	11.9531 mL	23.9063 mL
5 mM	0.4781 mL	2.3906 mL	4.7813 mL
10 mM	0.2391 mL	1.1953 mL	2.3906 mL
50 mM	0.0478 mL	0.2391 mL	0.4781 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Angélica A Amato, et al. GQ-16, a novel peroxisome proliferator-activated receptor  $\gamma$  (PPAR $\gamma$ ) ligand, promotes insulin sensitization without weight gain. J Biol Chem. 2012 Aug 10;287(33):28169-79.

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