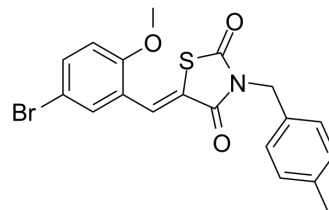


GQ-16

Cat. No.:	HY-111254		
CAS No.:	870554-67-9		
Molecular Formula:	C ₁₉ H ₁₆ BrNO ₃ S		
Molecular Weight:	418.3		
Target:	PPAR		
Pathway:	Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (23.91 mM); ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (2.39 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	GQ-16 is a moderate affinity ligand for the ligand-binding domain (LBD) of PPAR γ , exhibiting a K _i of 160 nM. GQ-16 is an effective inhibitor of Cdk5-mediated phosphorylation of PPAR γ . GQ-16 is a partial agonist of PPAR γ with reduced adipogenic actions. GQ-16 promotes insulin Sensitization without weight gain ^[1] .
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REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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