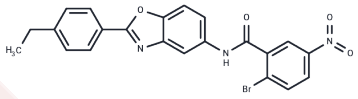
Data Sheet (Cat.No.T67936)

TargetMol

BAY-0069

Chemical Properties



CAS No. : 420826-65-9

Formula: C22H16BrN3O4

Molecular Weight: 466.28

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	BAY-0069 is a potent and selective PPARγ transactivator, inhibiting human PPARγ and murine PPARγ with IC50 values of 6.3 nM and 24 nM, respectively. BAY-0069 can be used in cancer research.
Targets(IC50)	PPAR
In vitro	BAY-0069 (0.0001, 0.001, 0.01, 0.01 and 1 μM; 7 days) leads to antiproliferative effects in the PPARγ-amplified cell line UM-UC-9.[1]
In vivo	BAY-0069 (1 μM; 1 h) exhibits superior microsomal stability, with a CL(b,hmic) of 0.47 L/h/kg in human liver microsomes and a CL(b,rhep) of 3.9 L/h/kg in rat liver hepatocytes.[1]

Solubility Information

Solubility	DMSO: 90 mg/mL (193.02 mM),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1446 mL	10.7232 mL	21.4463 mL
5 mM	0.4289 mL	2.1446 mL	4.2893 mL
10 mM	0.2145 mL	1.0723 mL	2.1446 mL
50 mM	0.0429 mL	0.2145 mL	0.4289 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

Orsi DL, et al. Discovery and Structure-Based Design of Potent Covalent PPARγ Inverse-Agonists BAY-4931 and BAY-0069 [published correction appears in J Med Chem. 2023 Jan 12;66(1):1082]. J Med Chem. 2022;65(21):14843-14863.

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