

BAY-4931

Chemical Properties

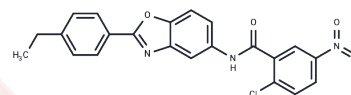
CAS No. : 423150-91-8

Formula: C₂₂H₁₆ClN₃O₄

Molecular Weight: 421.83

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-4931 is a powerful, covalent, and selective inverse-agonist of PPAR γ , exhibiting an IC ₅₀ value of 0.17 nM.
Targets(IC ₅₀)	PPAR
In vitro	Fractionation of culture extracts using RP-HPLC and LC-MS showed that samples containing Questin was toxic to the human A549 lung cell line.[1]

Solubility Information

Solubility	DMSO: 112.5 mg/mL (266.7 mM), Sonication and heating to 70°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3706 mL	11.8531 mL	23.7062 mL
5 mM	0.4741 mL	2.3706 mL	4.7412 mL
10 mM	0.2371 mL	1.1853 mL	2.3706 mL
50 mM	0.0474 mL	0.2371 mL	0.4741 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 PPAR γ 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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