Product Datasheet

BAY-4931

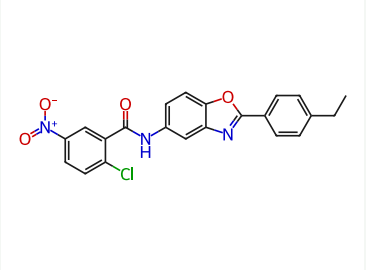
Catalog No. **BP-02242** · CAS **423150-91-8** · Form **free base** · Physical state **other** · Color **Light yellow to light brown** · Version **1.0** · Revision **2026-09-03**

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target	Research area
PPAR	**Cancer**

Molecular formula	$C_{22}H_{16}ClN_3O_4$
Molecular weight	**421.8330**

STRUCTURE



DESCRIPTION

BAY-4931 is a potent, covalent and selective PPARγ inverse-agonist with an IC50 of 0.17 nM.

BIOLOGICAL ACTIVITY

In Vitro

BAY-4931 (0-10 μM; 7 days) inhibits UM-UC-9 proliferation with an IC50 of 3.4 nM.

BAY-4931 only inhibits CYP2C8 in CYP inhibition test.

SOLUBILITY

Soluble in DMSO

In vitro	DMSO : 125 mg/mL

REFERENCES

[1]. Orsi DL, et al. Discovery and Structure-Based Design of Potent Covalent PPARγ Inverse-Agonists BAY-4931 and BAY-0069. J Med Chem. 2022 Nov 10;65(21):14843-14863.