

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**

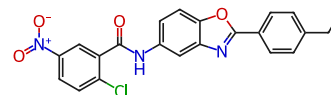
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Target PPAR	Research area Cancer
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Molecular formula **C₂₂H₁₆ClN₃O₄**

Molecular weight **421.8330**

STRUCTURE



DESCRIPTION

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

BIOLOGICAL ACTIVITY

In Vitro

BAY-4931 (0-10 μ M; 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 PPAR γ Inverse-Agonists BAY-4931 and BAY-0069. J Med Chem. 2022 Nov 10;65(21):14843-14863.

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