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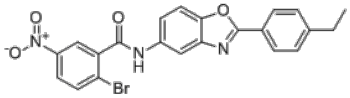
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	BAY-0069
Cat. No.	:	PC-49400
CAS No.	:	420826-65-9
Molecular Formula	:	$C_{22}H_{16}BrN_3O_4$
Molecular Weight	:	466.291
Target	:	PPAR
Solubility	:	10 mM in DMSO



Biological Activity

BAY-0069 (BAY0069) is a potent, selective, covalent **PPARγ** inverse agonist with IC50 of 0.22 nM in cellular reporter assays. BAY-0069 displays no signigicant acitivity against PPARA, PPARD and additional high homology PXR (IC50 values >40 uM). BAY-0069 inhibits proliferation of PPARG-amplified cell line UM-UC-9 with IC50 of 2.5 nM.
In UM-UC-9 xenograft-bearing mice, BAY-0069 demonstrated a modest downregulation of FABP4 expression, comparable with that of SR10221, despite more robust in vitro inverse agonism in NCOR2 recruitment, RT112-FABP4-NLucP luciferase repression, and UM-UC-9 proliferation.

References

Douglas L Orsi, et al. ***J Med Chem.*** 2022 Oct 21. doi: 10.1021/acs.jmedchem.2c01379.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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