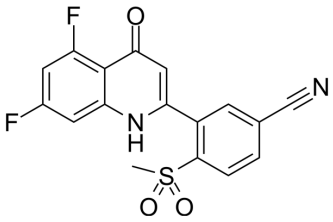
FX-909

Cat. No.:	HY-153344
CAS No.:	2924573-90-8
Molecular Formula:	$C_{17}H_{10}F_2N_2O_3S$
Molecular Weight:	360.33
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (277.52 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.7752 mL	13.8762 mL	27.7523 mL
5 mM	0.5550 mL	2.7752 mL	5.5505 mL
10 mM	0.2775 mL	1.3876 mL	2.7752 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.94 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

FX-909 is a covalent peroxisome proliferator-activated receptor gamma (PPARG) inverse agonist. FX-909 can be used for the research of cancer[1].

IC_{50} & Target

PPARγ

In Vivo

FX-909 (0.03-1 mg/kg; BID for 21 days) shows anticancer effects in UMUC9 UC xenograft mouse model[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mertz J A, et al. Development of a surrogate tissue pharmacodynamic (PD) assay for clinical use with FX-909, a novel inhibitor of the urothelial luminal lineage transcription factor peroxisome proliferator-activated receptor gamma (PPARG). Cancer Research, 2023, 83(7_Supplement): 2802-2802.

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