

FTX-6746

Chemical Properties

CAS No. : 2829349-96-2

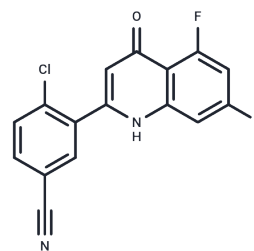
Formula: C₁₆H₇ClF₂N₂O

Molecular Weight: 316.69

Store at low temperature

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	FTX-6746 is an orally active and selective PPARG reverse inhibitor with anticancer activity. It can be used in research on urothelial carcinoma.
Targets(IC50)	PPAR
In vivo	In mouse UMUC9 or HT1197 xenograft models, FTX-6746 significantly inhibited tumor growth by oral administration (doses of 3-60 mg/kg twice daily for 21 days). [1]

Solubility Information

Solubility	DMSO: 30 mg/mL (94.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.32 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1577 mL	15.7883 mL	31.5766 mL
5 mM	0.6315 mL	3.1577 mL	6.3153 mL
10 mM	0.3158 mL	1.5788 mL	3.1577 mL
50 mM	0.0632 mL	0.3158 mL	0.6315 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

Mertz Jennifer, et al. Novel inhibitors of the luminal lineage transcription factor peroxisome proliferator-activated receptor gamma (PPARG) durably eradicate tumors in urothelial cancer (UC) animal models. *European Journal of Cancer* 174 (2022): S33-S34.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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