YTP-17

Cat. No.: HY-150256

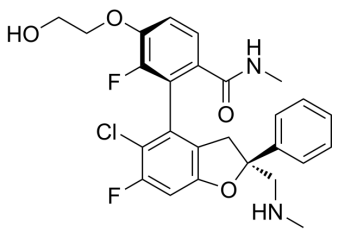
Molecular Formula: $C_{26}H_{25}ClF_2N_2O_4$

Molecular Weight: 502.94

Target: YAP

Pathway: Stem Cell/Wnt

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (198.83 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.9883 mL	9.9415 mL	19.8831 mL
5 mM	0.3977 mL	1.9883 mL	3.9766 mL
10 mM	0.1988 mL	0.9942 mL	1.9883 mL

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

BIOLOGICAL ACTIVITY

Description

YTP-17 is an orally active YAP-TEAD protein-protein interaction inhibitor with an IC_{50} of 4 nM. YTP-17 shows anti-tumor efficacy[1].

IC_{50} & Target

IC50: 4 nM (YAP-TEAD protein-protein interaction)[1]

In Vitro

YTP-17 shows antiproliferative activity against NCI-H2052 cells with an IC_{50} of 45 nM[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

YTP-17 (60 mg/kg; oral gavage; once daily; for 2 weeks) shows anti-tumor efficacy in NCI-H226 xenograft mouse model[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Female SCID mice bearing NCI-H226 cells[1]
Dosage:	60 mg/kg, 10 mL/kg

Administration:	Oral gavage; once daily; for 2 weeks
Result:	A 45% reduction in tumor volume.

REFERENCES

[1]. Holger Sellner, et al. Optimization of a Class of Dihydrobenzofurane Analogs toward Orally Efficacious YAP-TEAD Protein-Protein Interaction Inhibitors. ChemMedChem. 2023 Jun 1;18(11):e202300051.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA