SJPYT-195

Cat. No.: HY-150616

Molecular Formula: $C_{35}H_{34}N_6O_8$

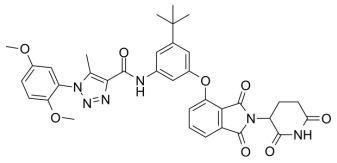
Molecular Weight: 666.68

Target: Ligands for E3 Ligase

Pathway: PROTAC

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 : 50 mg/mL (75.00 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5000 mL	7.4999 mL	14.9997 mL
	5 mM	0.3000 mL	1.5000 mL	2.9999 mL
	10 mM	0.1500 mL	0.7500 mL	1.5000 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.08 mg/mL (3.12 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1.67 mg/mL (2.50 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1.67 mg/mL (2.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SJPYT-195 is a cytotoxic GSPT1 degrader and can be used for PROTAC synthesis[1].

In Vitro

SJPYT-195 (24 h) potently and efficaciously reduces endogenous PXR (pregnane X receptor) protein in the colorectal SNU-C4 cell line (SNU-C4 3xFLAG-PXR KI cells), with a half maximal degradation concentration (DC_{50}) of 310 ± 130 nM and maximum degradation efficacy (D_{Max}) of 85 ± 1%[1].

SJPYT-195 reduces PXR protein through the degradation of GSPT1[1].

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

REFERENCES

[1]. Huber A D, et al. SJPYT-195: A Designed Nuclear Receptor Degrader That Functions as a Molecular Glue Degrader of GSPT1. ACS Medicinal Chemistry Letters, 2022.

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