SJ6986

Cat. No.: HY-132199

Molecular Formula: $C_{20}H_{14}F_3N_3O_7S$

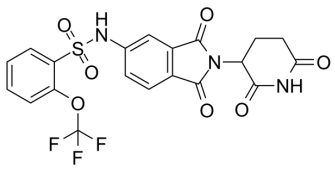
Molecular Weight: 497.4

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



BIOLOGICAL ACTIVITY

Description

SJ6986 is a potent, selective and orally active GSPT1/2 degrader, with a DC_{50} of 2.1 nM (D_{max} 99%) for GSPT1[1].

IC_{50} & Target

DC50: 2.1 nM (GSPT1)[1].

In Vitro

SJ6986 exhibits EC_{50} values of 1.5 nM, 0.4 nM, 726 nM, 336 nM and 3583 nM in MV4-11, MHH-CALL-4, MB002, MB004 and HD-MB03 cell lines, respectively[1].

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

Cell Proliferation Assay[1]

Cell Line:	MV4-11 cells.
Concentration:	0-100 μM.
Incubation Time:	3 days.
Result:	Exhibited EC_{50} of 1.5 nM.

Western Blot Analysis[1]

Cell Line:	MV4-11 cells.
Concentration:	0-10 μM.
Incubation Time:	4 and 24 h.
Result:	Dose- and time-dependently decreased the protein levels of GSPT1.

In Vivo

SJ6986 exhibits $t_{1/2}$ of 3.44 h by iv injection of 3 mg/kg and t_{max} of 0.25 h by oral administration (%F = 84) of 10 mg/kg in CD1 mice[1].

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

REFERENCES

[1]. Gisele Nishiguchi, et al. Identification of Potent, Selective, and Orally Bioavailable Small-Molecule GSPT1/2 Degraders from a Focused Library of Cereblon Modulators. J Med Chem. 2021 May 27.

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