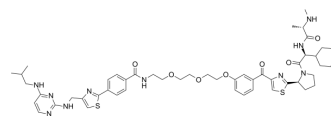


SNIPER(TACC3)-11

Cat. No.:	HY-145895		
CAS No.:	2906151-68-4		
Molecular Formula:	C ₅₁ H ₆₆ N ₁₀ O ₇ S ₂		
Molecular Weight:	995.26		
Target:	FGFR; SNIPERs		
Pathway:	Protein Tyrosine Kinase/RTK; 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 : 100 mg/mL (100.48 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.0048 mL	5.0238 mL	10.0476 mL
5 mM	0.2010 mL	1.0048 mL	2.0095 mL
10 mM	0.1005 mL	0.5024 mL	1.0048 mL

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

BIOLOGICAL ACTIVITY

Description

SNIPER(TACC3)-11 is a potent FGFR3-TACC3 degrader. SNIPER(TACC3)-11 reduces FGFR3-TACC3 protein levels and suppressed the growth of FGFR3-TACC3 positive cancer cells^[1].

IC₅₀ & Target

FGFR3-TACC3^[1]

In Vitro

SNIPER(TACC3)-11 (compound 5a) (0.3-3 μM; 6 hours) reduces FGFR3-TACC3 levels^[1].

SNIPER(TACC3)-11 (0.3-3 μM; 72 hours) inhibits the growth of RT4 cells at 3 μM, and does not inhibit the growth of HeLa cells^[1].

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

Western Blot Analysis

Cell Line:	RT4 cells ^[1]
Concentration:	0.3, 1 and 3 μM

Incubation Time:	6 hours
Result:	Reduced FGFR3-TACC3 levels.

Cell Proliferation Assay

Cell Line:	RT4 and HeLa cells ^[1]
Concentration:	0.3, 1 and 3 μ M
Incubation Time:	72 hours
Result:	Dramatically inhibited the growth of RT4 cells at 3 μ M, and did not inhibit the growth of HeLa cells, which indicated that SNIPER(TACC3)-11 just inhibited the proliferation of cells expressing FGFR3-TACC3.

REFERENCES

[1]. Shibata N, Cho N, Koyama H, Naito M. Development of a degrader against oncogenic fusion protein FGFR3-TACC3. *Bioorg Med Chem Lett.* 2022;60:128584.

Caution: Product has not been fully validated for medical applications. For research use only.

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