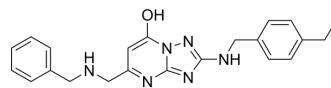


FDW028

Cat. No.:	HY-155747		
CAS No.:	2768426-49-7		
Molecular Formula:	C ₂₂ H ₂₄ N ₆ O		
Molecular Weight:	388.47		
Target:	Autophagy		
Pathway:	Autophagy		
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 (257.42 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5742 mL	12.8710 mL	25.7420 mL
	5 mM	0.5148 mL	2.5742 mL	5.1484 mL
	10 mM	0.2574 mL	1.2871 mL	2.5742 mL

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

BIOLOGICAL ACTIVITY

Description

FDW028 a potent and highly selective FUT8 inhibitor. FUT8 exhibits potent anti-tumor activity by defucosylation and impelling lysosomal degradation of B7-H3 through the chaperone-mediated autophagy (CMA) pathway. FDW028 can be used for metastatic colorectal cancer (mCRC) research^[1].

REFERENCES

[1]. Wang M, et al. FDW028, a novel FUT8 inhibitor, impels lysosomal proteolysis of B7-H3 via chaperone-mediated autophagy pathway and exhibits potent efficacy against metastatic colorectal cancer. *Cell Death Dis.* 2023 Aug 3;14(8):495.

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

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