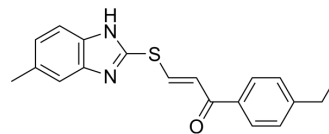


UC-764864

Cat. No.:	HY-153775		
CAS No.:	278806-03-4		
Molecular Formula:	C ₁₉ H ₁₈ N ₂ OS		
Molecular Weight:	322.42		
Target:	E1/E2/E3 Enzyme		
Pathway:	Metabolic Enzyme/Protease		
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 : 125 mg/mL (387.69 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1015 mL	15.5077 mL	31.0154 mL
	5 mM	0.6203 mL	3.1015 mL	6.2031 mL
	10 mM	0.3102 mL	1.5508 mL	3.1015 mL

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

BIOLOGICAL ACTIVITY

Description

UC-764864 is a UBE2N inhibitor. UC-764864 inhibits UBE2N enzymatic activity. UC-764864 has cytotoxic effects and inhibition of UBE2N-dependent signaling in leukemic cells. UC-764864 blocks ubiquitination of innate immune- and inflammatory-related substrates in human AML cell lines^[1].

REFERENCES

[1]. Barreyro L, et al. Blocking UBE2N abrogates oncogenic immune signaling in acute myeloid leukemia. *Sci Transl Med.* 2022 Mar 9;14(635):eabb7695.

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

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