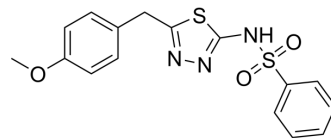


OU749

Cat. No.:	HY-126710		
CAS No.:	519170-13-9		
Molecular Formula:	C ₁₆ H ₁₅ N ₃ O ₃ S ₂		
Molecular Weight:	361.44		
Target:	Others		
Pathway:	Others		
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 (345.84 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.7667 mL	13.8336 mL	27.6671 mL
5 mM	0.5533 mL	2.7667 mL	5.5334 mL
10 mM	0.2767 mL	1.3834 mL	2.7667 mL

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

BIOLOGICAL ACTIVITY

Description

OU749 is a potent γ -glutamyl transpeptidase (GGT) inhibitor with a K_i value of 17.6 μ M. OU749 shows cytotoxicity^[1].

IC₅₀ & Target

K_i : 17.6 μ M (GGT)^[1]

In Vitro

OU749 (compound 3) (3 days) shows cytotoxicity with an LD₅₀ value of 128 μ M for 786-O cells^[1].
 OU749 (0-1000 μ M) inhibits GGT (γ -glutamyl transpeptidase) activity in a dose-dependent manner in 786-O and HK-2 cells^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. King JB, et al. A novel, species-specific class of uncompetitive inhibitors of gamma-glutamyl transpeptidase. J Biol Chem. 2009 Apr 3;284(14):9059-65.

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

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