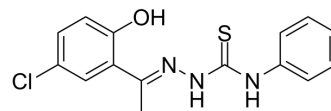


Anticancer agent 46

Cat. No.:	HY-146030		
CAS No.:	2426686-17-9		
Molecular Formula:	C ₁₅ H ₁₄ ClN ₃ OS		
Molecular Weight:	319.81		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (390.86 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1269 mL	15.6343 mL	31.2686 mL
	5 mM	0.6254 mL	3.1269 mL	6.2537 mL
	10 mM	0.3127 mL	1.5634 mL	3.1269 mL

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

BIOLOGICAL ACTIVITY

Description

Anticancer agent 46 (compound 2) is a potent anticancer agent. Anticancer agent 46 shows antiproliferative activity with an IC₅₀ of 0.986 μM for MGC803 cells. Anticancer agent 46 has the potential for the research of gastric cancer^[1].

REFERENCES

[1]. Zhang XH, et al. Thiosemicarbazone-based lead optimization to discover high-efficiency and low-toxicity anti-gastric cancer agents. *Eur J Med Chem.* 2020 Aug 1;199:112349.

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

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