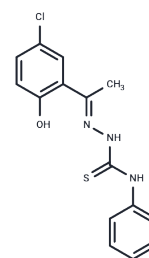


## Anticancer agent 46

## Chemical Properties

CAS No. :	2426686-17-9
Formula:	C <sub>15</sub> H <sub>14</sub> ClN <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	319.81
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Anticancer agent 46 is a potent anti-cancer agent, showing anti-proliferative activity in cellular assays, with an IC <sub>50</sub> of 0.986 μM against MGC803 cells.
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 60 mg/mL (187.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0625 mL	0.3127 mL	0.6254 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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