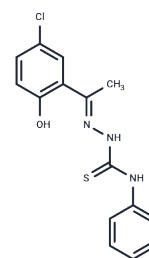


Anticancer agent 46

Chemical Properties

CAS No. :	2426686-17-9
Formula:	C ₁₅ H ₁₄ ClN ₃ O ₃ S
Molecular Weight:	319.81
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Anticancer agent 46 is a potent anti-cancer agent, showing anti-proliferative activity in cellular assays, with an IC ₅₀ of 0.986 μ M against MGC803 cells.
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Solubility Information

Solubility	DMSO: 60 mg/mL (187.61 mM) (< 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.

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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481