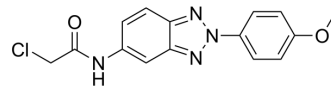


## HG106

Cat. No.:	HY-W451275
CAS No.:	928712-10-1
Molecular Formula:	C <sub>15</sub> H <sub>13</sub> ClN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	316.74
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (394.65 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1572 mL	15.7858 mL	31.5716 mL
	5 mM	0.6314 mL	3.1572 mL	6.3143 mL
	10 mM	0.3157 mL	1.5786 mL	3.1572 mL

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

### BIOLOGICAL ACTIVITY

#### Description

HG106 is a potent SLC7A11 inhibitor. HG106 markedly decreased cystine uptake and intracellular glutathione biosynthesis. HG106 can be used for the research of KRAS-mutant lung adenocarcinoma<sup>[1]</sup>.

### REFERENCES

[1]. Hu K, et al. Suppression of the SLC7A11/glutathione axis causes synthetic lethality in KRAS-mutant lung adenocarcinoma. J Clin Invest. 2020 Apr 1;130(4):1752-1766.

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

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