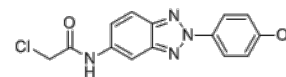


**Product Name** : HG106  
**Cat. No.** : PC-73129  
**CAS No.** : 928712-10-1  
**Molecular Formula** : C<sub>15</sub>H<sub>13</sub>ClN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 316.745  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

HG106 (HG 106) is a potent, selective **SLC7A11** inhibitor, selectively kills KRAS-mutant lung adenocarcinoma (LUAD) cells. HG106 exerts substantial cytotoxic effects on KRAS-mutant H441 cells, which are strikingly reduced by addition of β-mercaptoethanol and L-cysteine.

HG106 preferentially decreases the viability of KRAS-mutant LUAD cells (A549 cells IC<sub>50</sub>=3.7 uM), dose-dependently reduces the oxygen consumption rate and disrupted MMP in A549 and H441 cells.

HG106 significantly induced apoptosis in KRAS-mutant LUAD cells and inhibited colony formation.

HG106 exhibits potent in vivo efficacy in a patient-derived xenograft (PDX) model of LUAD harboring a G12V mutation in KRAS.

### References

Hu K, et al. *J Clin Invest.* 2020 Apr 1;130(4):1752-1766.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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