



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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HG106

Chemical Properties

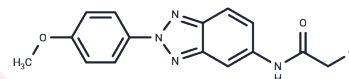
CAS No. : 928712-10-1

Formula: C₁₅H₁₃ClN₄O₂

Molecular Weight: 316.74

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	HG106, which is anti-inflammatory and may be used to treat the growth of diseases such as malignant tumours caused by mutations in the RAS gene., which is anti-inflammatory and may be used to treat the growth of diseases such as malignant tumours caused by mutations in the RAS gene.
Targets(IC50)	Others
In vitro	We identified a potent SLC7A11 inhibitor, HG106, that markedly decreased cystine uptake and intracellular glutathione biosynthesis. Furthermore, HG106 exhibited selective cytotoxicity toward KRAS-mutant cells by increasing oxidative stress- and ER stress-mediated cell apoptosis. [1]
In vivo	Treatment of KRAS-mutant LUAD with HG106 in several preclinical lung cancer mouse models led to marked tumor suppression and prolonged survival. [1]

Solubility Information

Solubility	H ₂ O: Insoluble Ethanol: Insoluble DMSO: 18.9 mg/mL (59.7 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1572 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
50 mM	0.0631 mL	0.3157 mL	0.6314 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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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