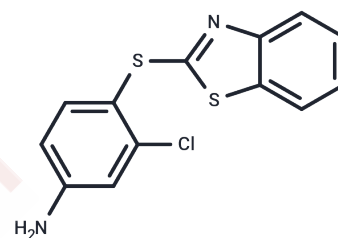


## KRAS inhibitor-9

## Chemical Properties

CAS No. : 300809-71-6  
 Formula: C<sub>13</sub>H<sub>9</sub>ClN<sub>2</sub>S<sub>2</sub>  
 Molecular Weight: 292.81  
 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	KRAS inhibitor-9 (DUN09716) is a potent KRAS inhibitor with K <sub>d</sub> of 92 μM that blocks the formation of GTP-KRAS and downstream activation of KRAS. KRAS inhibitor-9 causes G2/M cell cycle arrest and induces apoptosis. KRAS inhibitor-9 selectively inhibits the proliferation of NSC-LC cells with KRAS mutation but not normal lung cells
Targets(IC50)	Apoptosis,Ras,Kras

## Solubility Information

Solubility	DMSO: 230 mg/mL (785.49 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	3.4152 mL	17.0759 mL	34.1518 mL
5 mM	0.683 mL	3.4152 mL	6.8304 mL
10 mM	0.3415 mL	1.7076 mL	3.4152 mL
50 mM	0.0683 mL	0.3415 mL	0.683 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

Xie C, et al. Identification of a New Potent Inhibitor Targeting KRAS in Non-small Cell Lung Cancer Cells. Front Pharmacol. 2017;8:823. Published 2017 Nov 14.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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