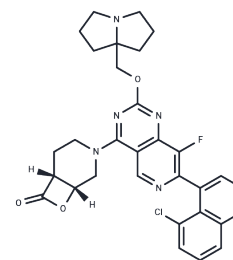


G12Si-5

## Chemical Properties

CAS No. : 2946593-46-8  
 Formula: C<sub>31</sub>H<sub>29</sub>ClFN<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 574.05  
 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	G12Si-5 is a covalent inhibitor of the K-RasG12S mutant with a $K_i$ value of 26 $\mu$ M. It binds to the S-IIP structural domain, inhibiting oncogenic signaling and reducing ERK phosphorylation levels in KRAS G12S mutant cells.
Targets(IC <sub>50</sub> )	Others,Ras,Kras

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.742 mL	8.710 mL	17.4201 mL
5 mM	0.3484 mL	1.742 mL	3.484 mL
10 mM	0.1742 mL	0.871 mL	1.742 mL
50 mM	0.0348 mL	0.1742 mL	0.3484 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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