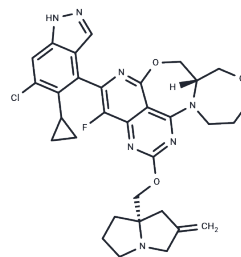


KRAS inhibitor-37

Chemical Properties

CAS No. :	3058573-95-5
Formula:	C ₃₂ H ₃₃ ClFN ₇ O ₃
Molecular Weight:	618.10
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-37 (compound 2) is a potent inhibitor of KRAS, exhibiting low dissociation constants (KD) with various KRAS mutations: wild type (0.004 nM), G12D (0.041 nM), G12C (0.019 nM), and G12V (0.144 nM). This compound effectively inhibits cell proliferation, demonstrating half-maximal inhibitory concentrations (IC ₅₀) ranging from <2 nM to 14 nM in H358, SW620, and PANC08.13 cell lines. KRAS inhibitor-37 holds potential for cancer research applications.
Targets(IC ₅₀)	Ras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6179 mL	8.0893 mL	16.1786 mL
5 mM	0.3236 mL	1.6179 mL	3.2357 mL
10 mM	0.1618 mL	0.8089 mL	1.6179 mL
50 mM	0.0324 mL	0.1618 mL	0.3236 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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