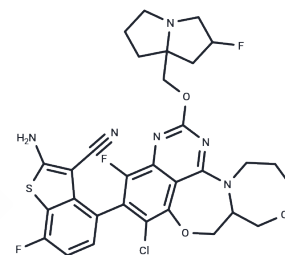


## KRAS inhibitor-27

## Chemical Properties

CAS No. :	3033690-83-1
Formula:	C <sub>31</sub> H <sub>28</sub> ClF <sub>3</sub> N <sub>6</sub> O <sub>3</sub> S
Molecular Weight:	657.106
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-27 (Compound 15h) is a KRAS inhibitor that effectively targets KRAS G12D/G12V mutated cells (AsPC-1 and SW620) and wild-type KRAS cells (HT-29), with IC <sub>50</sub> values of 378 nM, 0.6 nM, and 3230 nM, respectively. It reduces ERK phosphorylation, with IC <sub>50</sub> values of 0.6 nM and 1 nM in AsPC-1 and SW620 cells, respectively, and decreases DUSP4 expression, thereby inhibiting the MAPK signaling pathway.
Targets(IC <sub>50</sub> )	ERK,p38 MAPK,Ras

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5218 mL	7.6091 mL	15.2182 mL
5 mM	0.3044 mL	1.5218 mL	3.0436 mL
10 mM	0.1522 mL	0.7609 mL	1.5218 mL
50 mM	0.0304 mL	0.1522 mL	0.3044 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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