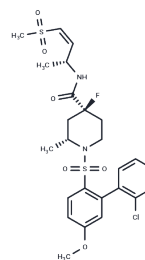


VVD-699

## Chemical Properties

CAS No. : 3055319-82-6  
 Formula: C<sub>25</sub>H<sub>30</sub>ClFN<sub>2</sub>O<sub>6</sub>S<sub>2</sub>  
 Molecular Weight: 573.097  
 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	VVD-699 is a covalent inhibitor of RAS-PI3K. It forms a covalent bond with cysteine at position 242 within the RAS-binding domain of PI3Kp110 $\alpha$ , thereby obstructing the ability of RAS to activate PI3K. VVD-699 is capable of inhibiting the growth of tumors with RAS mutations and HER2 overexpression. It is applicable in research related to RAS mutation-associated cancers, such as those involving H358 lung cancer cells, A549 cells, and FaDu cells.
Targets(IC50)	PI3K,Ras

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7449 mL	8.7245 mL	17.449 mL
5 mM	0.349 mL	1.7449 mL	3.4898 mL
10 mM	0.1745 mL	0.8724 mL	1.7449 mL
50 mM	0.0349 mL	0.1745 mL	0.349 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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