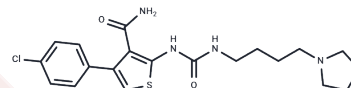


## VEGFR-2-IN-52

## Chemical Properties

CAS No. : 3046428-94-5  
 Formula: C<sub>20</sub>H<sub>25</sub>ClN<sub>4</sub>O<sub>2</sub>S  
 Molecular Weight: 420.96  
 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	VEGFR-2-IN-52 (compound 14d) serves as a powerful inhibitor of VEGFR-2, exhibiting an IC <sub>50</sub> of 191.1 nM. It effectively reduces the protein expression levels of p-VEGFR-2, MMP9, p-ERK1/2, and p-MEK1. In addition, VEGFR-2-IN-52 demonstrates cytotoxic properties by inducing apoptosis and arresting the cell cycle at the G <sub>0</sub> /G <sub>1</sub> phase, and it enhances the levels of ROS.
Targets(IC <sub>50</sub> )	Apoptosis, Reactive Oxygen Species, VEGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3755 mL	11.8776 mL	23.7552 mL
5 mM	0.4751 mL	2.3755 mL	4.751 mL
10 mM	0.2376 mL	1.1878 mL	2.3755 mL
50 mM	0.0475 mL	0.2376 mL	0.4751 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

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481