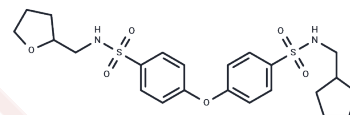


Hit 14

## Chemical Properties

CAS No. : 440338-68-1  
 Formula: C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>O<sub>7</sub>S<sub>2</sub>  
 Molecular Weight: 496.60  
 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	Hit 14, a CXCR4 (C-X-C chemokine receptor type 4) inhibitor, demonstrates an IC <sub>50</sub> of 254 nM. It inhibits migration and invasion of MDA-MB-231 cells and suppresses Akt phosphorylation, exhibiting anti-inflammatory activity. Furthermore, Hit 14 improves ear swelling and damage in a mouse model.
Targets(IC <sub>50</sub> )	Akt,CXCR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0137 mL	10.0685 mL	20.1369 mL
5 mM	0.4027 mL	2.0137 mL	4.0274 mL
10 mM	0.2014 mL	1.0068 mL	2.0137 mL
50 mM	0.0403 mL	0.2014 mL	0.4027 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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