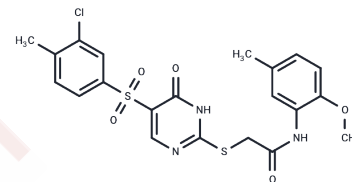


VU0514009

## Chemical Properties

CAS No. : 932973-77-8  
 Formula: C<sub>21</sub>H<sub>20</sub>ClN<sub>3</sub>O<sub>5</sub>S<sub>2</sub>  
 Molecular Weight: 493.98  
 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	VU0514009 is a competitive antagonist of chemokine-like receptor 1 (CMKLR1) with an EC <sub>50</sub> of 2 nM. It effectively inhibits chemerin-9-induced arrestin recruitment and receptor internalization, significantly reducing Ca <sup>2+</sup> flux responses in HEK293 cells. This compound shows potential for research in inflammatory diseases and metabolic syndrome.
Targets(IC <sub>50</sub> )	Chemerin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0244 mL	10.1219 mL	20.2437 mL
5 mM	0.4049 mL	2.0244 mL	4.0487 mL
10 mM	0.2024 mL	1.0122 mL	2.0244 mL
50 mM	0.0405 mL	0.2024 mL	0.4049 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

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