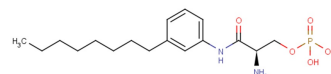


VPC 23019

## Chemical Properties

CAS No.: 449173-19-7  
Formula: C<sub>17</sub>H<sub>29</sub>N<sub>2</sub>O<sub>5</sub>P  
Molecular Weight: 372.4  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	VPC 23019 is a competitive antagonist at the S1P1 and S1P3 receptors (pK <sub>i</sub> = 7.86 and 5.93, respectively). It is also an agonist at the S1P4 and S1P5 receptors (pEC <sub>50</sub> = 6.58 and 7.07, respectively).
Targets(IC <sub>50</sub> )	S1P1: (pEC <sub>50</sub> ) 6.58 S1P3: 7.07

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.685 mL	13.426 mL	26.853 mL
5 mM	0.537 mL	2.685 mL	5.371 mL
10 mM	0.269 mL	1.343 mL	2.685 mL
50 mM	0.054 mL	0.269 mL	0.537 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Davis MD, et al. Sphingosine 1-phosphate analogs as receptor antagonists. J Biol Chem. 2005 Mar 18;280(11):9833-41. Epub 2004 Dec 8.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481