

Catalog Number: CM04738

## 产品信息

**Catalog Number:**  
CM04738

**CAS号:**  
101973-77-7

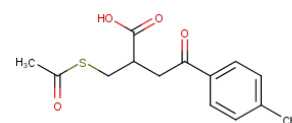
**分子式:**  
C<sub>14</sub>H<sub>16</sub>O<sub>4</sub>S

**主要靶点:**  
IL Receptor

**主要通路:**  
免疫与炎症

**分子量:**  
280.34

**溶解度:**  
DMSO:60 mg/mL (214.03 mM)



## 体外活性

The IC<sub>50</sub> of Esonarimod is 117.5 μg/mL. In RAW264.7 cells, Esonarimod (KE-298) (10 to 300 μg/mL) suppresses the production of NO in a dose-dependent manner.

## 体内活性

After repeated oral administration of Esonarimod (14C-KE-298), the radioactivity decreases rapidly and no tendency towards accumulation is found.

## 动物实验

Seven-week-old male Wistar rats is administered Esonarimod (5 mg/kg once daily) orally by gastric intubation.

## 细胞实验

For in vitro experiment, Esonarimod (KE-298) is dissolved in ethanol and diluted with culture medium or distilled water. RAW264.7 cells are used in this study. For NO production, RAW264.7 cells [2×10<sup>5</sup>/0.2 mL of RPMI-1640 supplemented by 10% heat inactivated fetal bovine serum (FBS), penicillin G (100 U/mL), and streptomycin (100 μg/mL)] are stimulated with 100 ng/mL of Escherichia coli O26:B6 lipopolysaccharide in the presence of Esonarimod (KE-298) (0, 10, 30, 100, 200, 300 μg/mL) in 96 well plates and incubated 24 h at 37°C in an atmosphere of 5% CO<sub>2</sub> in air. After incubation, the supernatants are collected and assayed for nitrite (NO<sub>2</sub><sup>-</sup>) instead of NO[1].

## 描述

Esonarimod is an antirheumatic drug.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years