

Catalog Number: CM02368

## 产品信息

**Catalog Number:**  
CM02368

**CAS号:**  
887936-68-7

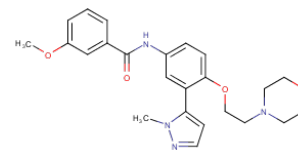
**分子式:**  
C<sub>24</sub>H<sub>28</sub>N<sub>4</sub>O<sub>4</sub>

**主要靶点:**  
5-HT Receptor

**主要通路:**  
G 蛋白偶联受体|神经科学

**分子量:**  
436.5

**溶解度:**  
DMSO:125 mg/mL (286.37 mM)



## 靶点活性

5-HT<sub>2A</sub>:4.9 nM (K<sub>i</sub>)

## 体外活性

Temanogrel inhibits inositol phosphate accumulation (IC<sub>50</sub>: 5.2 nM). Temanogrel shows effective inhibition of serotonin mediated amplification of ADP-stimulated human and dog platelet aggregation (IC<sub>50</sub>=8.7 and 23.1 nM, respectively). Pretreatment of aortic rings with Temanogrel prevents the vasoconstriction caused by 20 μM 5-HT in a concentration-dependent manner. Preincubation with Temanogrel also significantly inhibits the 5-HT-stimulated DNA synthesis (IC<sub>50</sub>: 13±7 nM) [1][3].

## 体内活性

Plasma Temanogrel levels show a rapid and sustained increase, averaging 25.5±4.1, 28.7±4.6, and 31.2±4.5 ng/mL, respectively, at 10 min, 1.25 h, and 2.25 h after the start of treatment in dogs assigned to receive Temanogrel. There are no differences in heart rate or mean arterial pressure between saline-treated and Temanogrel-treated groups at any time during the experiment [3].

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.