

Catalog Number: CM05004

## 产品信息

**Catalog Number:**  
CM05004

**CAS号:**  
117690-79-6

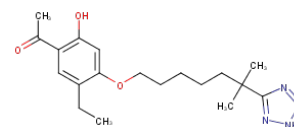
**分子式:**  
C<sub>19</sub>H<sub>28</sub>N<sub>4</sub>O<sub>3</sub>

**主要靶点:**  
Leukotriene Receptor

**主要通路:**  
G蛋白偶联受体

**分子量:**  
360.46

**溶解度:**  
DMSO:25 mg/mL (69.36 mM)



## 靶点活性

LTB<sub>4</sub>:100 nM (IC<sub>50</sub>, LTB<sub>4</sub> binds to guinea pig lung membranes)

## 体内活性

All seven rats given only the vehicle died within 2 h of reperfusion, whereas rats treated with LY-255283 (3 or 10 mg/kg iv), a leukotriene B<sub>4</sub> (LTB<sub>4</sub>) receptor antagonist given 10 min before reperfusion, exhibited significantly higher survival rates of 57% (4 out of 7) and 75% (6 out of 8), respectively, 2 h after reperfusion. Rats given 1 mg/kg of LY-255283 showed no significant improvement in survival. Splanchnic artery occlusion (SAO)-shock rats treated with LY-255283 (3 or 10 mg/kg) exhibited significantly attenuated accumulation of plasma free amino-nitrogenous compounds and of a myocardial depressant factor. Treatment with LY-255283 (10 mg/kg) markedly (P less than 0.01) ameliorated the deficits of endothelium-dependent relaxation of isolated superior mesenteric artery (SMA) rings in untreated SAO-shock rats. LY-255283 at 10 mg/kg significantly attenuated the increased myeloperoxidase activity in the intestinal tissue of SAO-shock rats[1].

## 描述

LY255283 is a specific antagonist of leukotriene B<sub>4</sub> (LTB<sub>4</sub>) receptor. It inhibits the production of LTB<sub>4</sub> in human peripheral blood polymorphonuclear leukocytes (PMNL) and in monocytes activated by calcium ionophore A23187.

## 储存

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