

# Clopidogrel

Catalog No: tcsc0656



## Available Sizes

**Size:** 100mg



## Specifications

**CAS No:**

113665-84-2

**Formula:**

$C_{16}H_{16}ClNO_2S$

**Pathway:**

GPCR/G Protein

**Target:**

P2Y Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

321.82

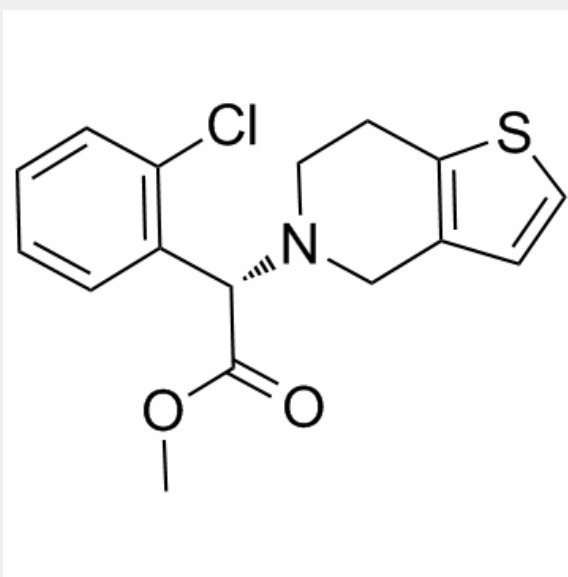
## Product Description

Clopidogrel is a well-known and orally active platelet inhibitor that targets **P2Y<sub>12</sub>** receptor. Clopidogrel is used to inhibit blood clots in coronary artery disease, peripheral vascular disease, and cerebrovascular disease.

IC<sub>50</sub> & Target: P2Y<sub>12</sub> receptor<sup>[1]</sup>.

**In Vivo:** Clopidogrel, administered during the last three months, significantly decreases blood glucose, collagen and fibronectin expression compared to vehicle-treated diabetic mice. Clopidogrel markedly ameliorates hyperglycemia-induced renal fibrosis<sup>[1]</sup>. The combination therapy of clopidogrel and aspirin (dual-antiplatelet therapy) has been shown to be significantly beneficial

compared to aspirin monotherapy and has also shown to decrease sub-acute stent thrombosis as well as recurrent ischemic events following ACS<sup>[2]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!