

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

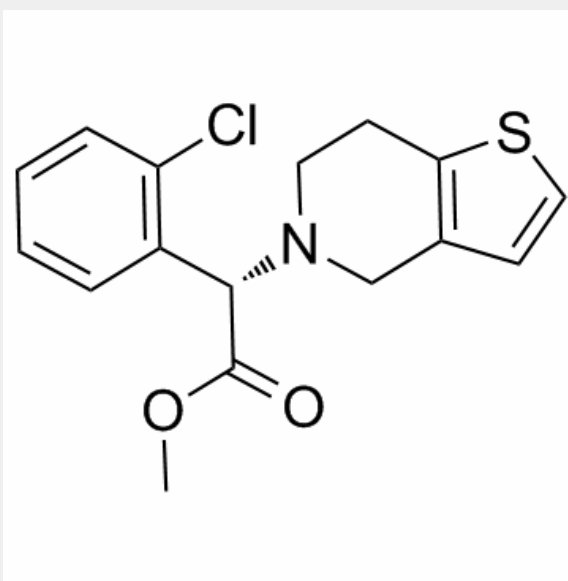
Product Description

Clopidogrel is a well-known and orally active platelet inhibitor that targets **P2Y₁₂** receptor. Clopidogrel is used to inhibit blood clots in coronary artery disease, peripheral vascular disease, and cerebrovascular disease.

IC₅₀ & Target: P2Y₁₂ receptor^[1].

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^[1]. 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^[2].



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