Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

Clopidogrel (hydrogen sulfate)

Catalog No: tcsc1882

Available Sizes

Size: 100mg

Size: 500mg

Specifications

CAS No:
120202-66-6

Formula:
$C_{16}H_{18}ClNO_6S_2$

Pathway:
GPCR/G Protein

Target:
P2Y Receptor

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 46.7 mg/mL (111.22 mM)

Alternative Names:
(S)-(+)-Clopidogrel bisulfate;(S)-(+)-Clopidogrel hydrogen sulfate

Observed Molecular Weight:
419.9

Product Description

S-(+)-Clopidogrel Hydrogen Sulfate is the S enantiomer of clopidogrel and a P2Y12 receptor inhibitor.

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Target: P2Y Receptor

Clopidogrel is an effective antiplatelet agent useful for the treatment of ischemic cerebrovascular, cardiac, and peripheral arterial disease. Clopidogrel abolishes the inhibitory P2Y(AC) receptor-mediated ADP effects on prostaglandin E(1)-stimulated, cAMP-dependent phosphorylation of VASP without affecting epinephrine, thrombin, and thromboxane signaling. VASP phosphorylation is known to be closely correlated with the inhibition of platelet and fibrinogen receptor (glycoprotein IIb/IIIa) activation. Therefore, inhibition of the platelet P2Y(AC) ADP receptor and its intracellular signaling, including decreased VASP phosphorylation, is suggested as a molecular mechanism of clopidogrel action [1]. Clopidogrel ingestion reduced the thrombus volume significantly (p

Clinical indications: Acute coronary syndrome; Peripheral vascular disease; Thromboembolism