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

Lopinavir

Catalog No: tcsc2077

Available Sizes

Size: 50mg

Size: 100mg

Size: 250mg

Specifications

CAS No:
192725-17-0

Formula:
$C_{37}H_{48}N_4O_5$

Pathway:
Metabolic Enzyme/Protease;Anti-infection

Target:
HIV Protease;HIV

Purity / Grade:
>98%

Solubility:
DMSO : 100 mg/mL (159.03 mM; Need ultrasonic)

Alternative Names:
ABT-378

Observed Molecular Weight:
628.8

Product Description

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Lopinavir is a potent HIV protease inhibitor with Ki of 1.3 pM.

Target: HIV protease

Lopinavir is a potent inhibitor of Rh123 efflux in Caco-2 monolayers with IC50 of 1.7 mM. Lopinavir exposure (72 hours) in LS 180V cells reduces the content of intracellular Rh123. Lopinavir induces P-glycoprotein immunoreactive protein and messenger RNA levels in LS 180V cells. Lopinavir inhibits subtype C clone C6 with IC50 of 9.4 nM. Lopinavir inhibits CYP3A with IC50 of 7.3 mM in human liver microsomes, while produces negligible or weak inhibition of human CYP1A2, 2B6, 2C9, 2C19 and 2D6. Lopinavir (10 mg/kg, orally) results in Cmax of 0.8 μg/mL and oral bioavailability of 25% in rats.