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

Indinavir (sulfate)

Catalog No: tcsc2931

Available Sizes

Size: 50mg

Size: 100mg

Specifications

CAS No:
157810-81-6

Formula:
$C_{36}H_{49}N_5O_8S$

Pathway:
Metabolic Enzyme/Protease;Anti-infection

Target:
HIV Protease;HIV

Purity / Grade:
>98%

Solubility:
H2O : 50 mg/mL (70.24 mM; Need ultrasonic); DMSO : ≥ 100 mg/mL (140.48 mM)

Alternative Names:
MK-639 sulfate;L735524 sulfate

Observed Molecular Weight:
711.87

Product Description

Indinavir sulfate(MK-639 sulfate; L735524 sulfate) is a potent and specific HIV protease inhibitor that appears to have good oral bioavailability.

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Target: HIV Protease

Indinavir(MK-639) is a protease inhibitor used as a component of highly active antiretroviral therapy (HAART) to treat HIV infection and AIDS.MK-639 appears to have significant dose-related antiviral activity and is well tolerated [1]. Inhibition constants (K(i)) of the antiviral drug indinavir for the reaction catalyzed by the mutant enzymes were about threefold and 50-fold higher for PR(L24I) and PR(I50V), respectively, relative to PR and PR(G73S). The dimer dissociation constant (K(d)) was estimated to be approximately 20 nM for both PR(L24I) and PR(I50V), and below 5 nM for PR(G73S) and PR. Crystal structures of the mutants PR(L24I), PR(I50V) and PR(G73S) were determined in complexes with indinavir, or the p2/NC substrate analog at resolutions of 1.10-1.50 Angstrom [2].