

Rifapentine

Catalog No: tcsc2258



Available Sizes

Size: 50mg

Size: 100mg



Specifications

CAS No:

61379-65-5

Formula:

$C_{47}H_{64}N_4O_{12}$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

DL 473;Cyclopentylrifampicin

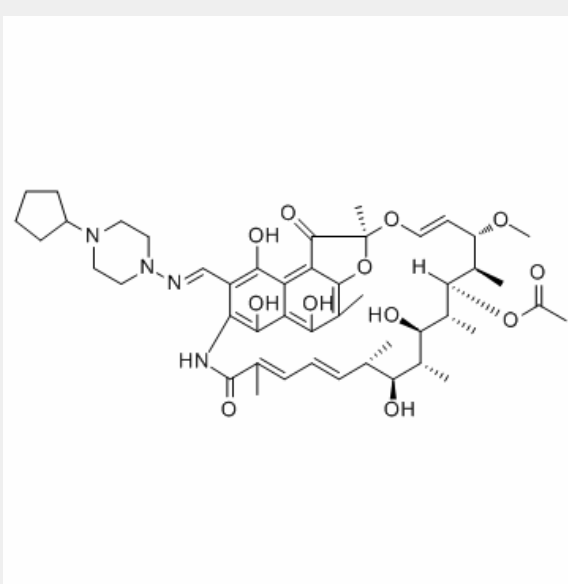
Observed Molecular Weight:

877.03

Product Description

Rifapentine (Priftin; DL 473) is an antibiotic compound used in the treatment of tuberculosis.

Rifapentine inhibits DNA-dependent RNA polymerase activity in susceptible cells. Specifically, it interacts with bacterial RNA polymerase but does not inhibit the mammalian enzyme. A review of alternative regimens for prevention of active tuberculosis in HIV-negative individuals with latent TB found that a weekly, directly observed regimen of rifapentine with isoniazid for three months was as effective as a daily, self-administered regimen of isoniazid for nine months. But the rifapentine-isoniazid regimen had higher rates of treatment completion and lower rates of hepatotoxicity. However the rates of treatment-limiting adverse events were higher in the rifapentine-isoniazid regimen [1].



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