

Rifampicin

Catalog No: tcsc2261



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

13292-46-1

Formula:

$C_{43}H_{58}N_4O_{12}$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

H₂O :

Alternative Names:

Rifampin; Rifamycin AMP

Observed Molecular Weight:

822.94

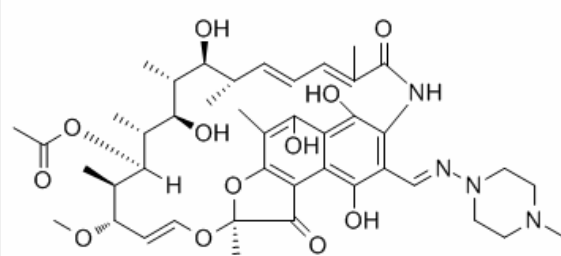
Product Description

Rifampicin is a broad-spectrum antibiotic, which inhibits the bacterial DNA-dependent RNA polymerase.

In Vitro:

Rifampicin (100 mg/mL) can block the functional activity of P-glycoprotein. Rifampicin is not a substract for P-glycoprotein. The mechanism of rifampicin resistance is unassociated with the functional activity of P-glycoprotein^[3].

In Vivo: Rifampicin (200, 400 mg/kg) can induce fatty liver at high concentration^[1]. Rifampicin (30 mg/kg, i.p.) treatment of S464P biofilms in vivo results in a slight decline, but earlier rebinds in bioluminescence from these catheters compared with the parental signal, whereas rifampicin has no affect on bioluminescence in mice infected with mutant H481Y^[2].



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