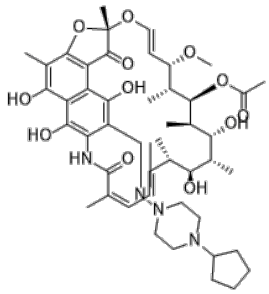
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Rifapentine
Cat. No.	:	PC-28806
CAS No.	:	61379-65-5
Molecular Formula	:	$C_{47}H_{64}N_4O_{12}$
Molecular Weight	:	877.03
Target	:	Bacterial
Solubility	:	10 mM in DMSO



Biological Activity

Rifapentine is a semisynthetic derivative antibiotic of rifampicin, inhibits DNA-dependent RNA polymerase in susceptible strains of M. tuberculosis, leading to a suppression of RNA synthesis and cell death, shwos potent antibacterial activity against TB and other mycobacterial species.

References

Artsimovitch I, et al. Cell. 2005 Aug 12;122(3):351-63.

Wichelhaus TA, et al. Antimicrob Agents Chemother. 1999 Nov;43(11):2813-6.

Williams DL, et al. Antimicrob Agents Chemother. 1998 Jul;42(7):1853-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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