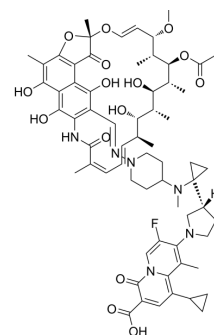


Rifaquizinone

Cat. No.:	HY-135184
CAS No.:	922717-97-3
Molecular Formula:	C ₆₅ H ₈₁ FN ₆ O ₁₅
Molecular Weight:	1205.37
Target:	Antibiotic; Bacterial; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Rifaquizinone (CBR-2092) is a Rifamycin-Quinolone Hybrid Antibiotic. Rifaquizinone inhibits wild-type *S. aureus* RNA polymerase with an IC₅₀ of 34 nM. Rifaquizinone is effective against *S. aureus* infections, with MICs ranged from 0.008 to 0.5 µg/mL for 300 clinical isolates of staphylococci and streptococci^{[1][2]}.

REFERENCES

[1]. Robertson GT, et al. In vitro evaluation of CBR-2092, a novel rifamycin-quinolone hybrid antibiotic: studies of the mode of action in *Staphylococcus aureus*. *Antimicrob Agents Chemother.* 2008 Jul;52(7):2313-23.

[2]. Robertson GT, et al. In vitro evaluation of CBR-2092, a novel rifamycin-quinolone hybrid antibiotic: microbiology profiling studies with staphylococci and streptococci. *Antimicrob Agents Chemother.* 2008 Jul;52(7):2324-34.

Caution: Product has not been fully validated for medical applications. For research use only.

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