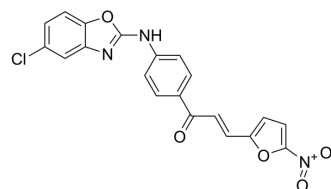


Antitubercular agent-29

Cat. No.:	HY-150554
Molecular Formula:	C ₂₀ H ₁₂ ClN ₃ O ₅
Molecular Weight:	409.78
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitubercular agent-29 (compound 6xa) is a potent agent resistant (DR) <i>Mycobacterium tuberculosis</i> (Mtb) inhibitor with MIC of 0.03 µg/mL against agent-susceptible (DS)-Mtb strains, MIC of 0.03-0.06 µg/mL against DR-Mtb strains, and favourable selectivity (SI>40) against Vero cells ^[1] .
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IC₅₀ & Target	MIC: 0.03 µg/mL in DS-Mtb, 0.03-0.06 µg/mL in DR-Mtb ^[1]
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REFERENCES

[1]. Kumar Sahoo S, et al. Identification of nitrofuranylchalcone tethered benzoxazole-2-amines as potent inhibitors of drug resistant *Mycobacterium tuberculosis* demonstrating bactericidal efficacy. *Bioorg Med Chem*. 2022 Jun 15;64:116777.

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

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