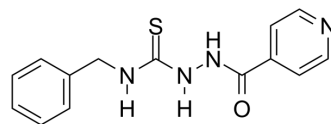


Anti-inflammatory agent 11

Cat. No.:	HY-144727
CAS No.:	63932-07-0
Molecular Formula:	C ₁₄ H ₁₄ N ₄ OS
Molecular Weight:	286.35
Target:	Bacterial; TNF Receptor
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-inflammatory agent 11 (compound 16) is a potent antimycobacterial and anti-inflammatory agent. Anti-inflammatory agent 11 inhibits Mtb H37Rv and M299 growth, with MIC ₅₀ (minimum inhibitory concentration 50%) of 1.3 and 6.9 μM, respectively. Anti-inflammatory agent 11 inhibits NO through the suppression of iNOS expression, and also inhibited the production of TNF-α and IL-1β. Anti-inflammatory agent 11 can be used for tuberculosis (TB) research ^[1] .
IC ₅₀ & Target	TNF-α
In Vitro	Anti-inflammatory agent 11 (compound 16) is active in the reduction of accumulated nitrite, with an IC ₅₀ of 64.8 ± 1.0 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Calixto SD, et al. Antimycobacterial and anti-inflammatory activities of thiourea derivatives focusing on treatment approaches for severe pulmonary tuberculosis. *Bioorg Med Chem.* 2022 Jan 1;53:116506.

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

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