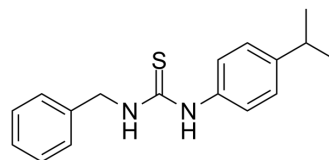


Anti-inflammatory agent 15

Cat. No.:	HY-144737
CAS No.:	474516-87-5
Molecular Formula:	C ₁₇ H ₂₀ N ₂ S
Molecular Weight:	284.42
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 15 (compound 29) is a potent antimycobacterial and anti-inflammatory agent. Anti-inflammatory agent 15 inhibits Mtb H37Rv and M299 growth, with MIC ₅₀ (minimum inhibitory concentration 50%) of 2.3 and 7.8 μM, respectively. Anti-inflammatory agent 15 inhibits NO through the suppression of iNOS expression, and also inhibited the production of TNF-α and IL-1β. Anti-inflammatory agent 15 can be used for tuberculosis (TB) research ^[1] .
IC ₅₀ & Target	TNF-α
In Vitro	Anti-inflammatory agent 15 (compound 29) is active in the reduction of accumulated nitrite, with an IC ₅₀ of 71.7 ± 1.1 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA