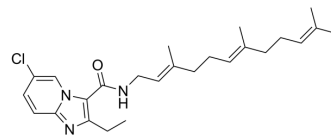


Antimycobacterial agent-5

Cat. No.:	HY-149998
Molecular Formula:	C ₂₅ H ₃₄ ClN ₃ O
Molecular Weight:	428.01
Target:	Bacterial; Reactive Oxygen Species; Apoptosis
Pathway:	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antimycobacterial agent-5 (compound 27) is an imidazopyridine amide targeting mycobacterial electron transport chain (ETC) airway CIII₂CIV₂ supercomplexes. The IC₅₀ value of Antimycobacterial agent-5 against Mycobacterium smegmatis CIII₂CIV₂ is 441 nM^[1].

REFERENCES

[1]. Rana Abdelaziz, et al. Imidazopyridine Amides: Synthesis, Mycobacterium smegmatis CIII₂CIV₂ Supercomplex Binding, and In Vitro Antimycobacterial Activity. ACS Omega. 2023 May 18;8(21):19081-19098.

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