

Antitubercular agent-54

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Antitubercular agent-54 is an antitubercular compound with significant intracellular activity in macrophages (EC50 of 0.68 μ M). It exhibits a minimum inhibitory concentration (MIC) of 0.31 μ M against Mycobacterium tuberculosis (Mtb) H37Rv cultured with cholesterol. Antitubercular agent-54 is applicable in tuberculosis research.
In vitro	Antitubercular agent-54 (Compound P39) exhibits potent inhibitory activity against Mycobacterium tuberculosis (Mtb) under various metabolic states, with an EC50 of 0.68 μ M for Mtb within macrophages and a MIC of 0.31 μ M against Mtb H37Rv in cholesterol medium. At concentrations above 40 μ M, Antitubercular agent-54 demonstrates no significant cytotoxicity to HEK293T and HepG2 cells, indicating a favorable safety profile.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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