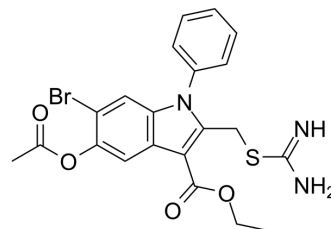


Antituberculosis agent-3

Cat. No.:	HY-151205
CAS No.:	369606-71-3
Molecular Formula:	C ₂₁ H ₂₀ BrN ₃ O ₄ S
Molecular Weight:	490.37
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antituberculosis agent-3 (Compound 2) is an antituberculosis agent. Antituberculosis agent-3 shows anti-mycobacterial activity, and can inhibit <i>M. tuberculosis</i> H37Rv strain growth (MIC=12.5 µg/mL) ^[1] .								
In Vitro	<p>Antituberculosis agent-3 (0-100 µM; 60 min) shows no inhibition of PknB activity^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td><i>M. tuberculosis</i></td> </tr> <tr> <td>Concentration:</td> <td>0-100 µM</td> </tr> <tr> <td>Incubation Time:</td> <td>60 min</td> </tr> <tr> <td>Result:</td> <td>Displayed no PknB inhibition (IC₅₀>128 µM).</td> </tr> </table>	Cell Line:	<i>M. tuberculosis</i>	Concentration:	0-100 µM	Incubation Time:	60 min	Result:	Displayed no PknB inhibition (IC ₅₀ >128 µM).
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Concentration:	0-100 µM								
Incubation Time:	60 min								
Result:	Displayed no PknB inhibition (IC ₅₀ >128 µM).								

REFERENCES

[1]. Paptawan Thongdee, et al. Virtual Screening Identifies Novel and Potent Inhibitors of Mycobacterium tuberculosis PknB with Antibacterial Activity. *J Chem Inf Model.* 2022 Aug 22.

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

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