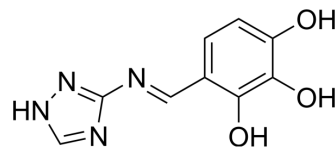


## Antimycobacterial agent-7

Cat. No.:	HY-163107
Molecular Formula:	C <sub>9</sub> H <sub>8</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	220.18
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antimycobacterial agent-7 (compound 4) is a 1,2,4-triazole anti-tuberculosis agent (MIC: 2 µg/mL). Antimycobacterial agent-7 inhibits Mtb KatG and causes the accumulation of ROS in Mtb cells. ROS produces oxidative damage, leading to the death of Mtb <sup>[1]</sup> .
IC <sub>50</sub> & Target	Mycobacterium tuberculosis (Mtb) <sup>[1]</sup>

### REFERENCES

[1]. Xia MY, et al. Synthesis, antimycobacterial evaluation, and molecular docking study of 1,2,4-triazole derivatives. J Enzyme Inhib Med Chem. 2023 Dec;38(1):2229070.

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

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