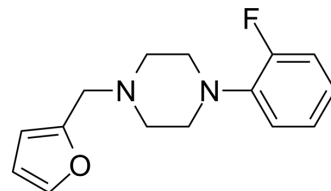


## Antibacterial agent 73

Cat. No.:	HY-143232
CAS No.:	414885-92-0
Molecular Formula:	C <sub>15</sub> H <sub>17</sub> FN <sub>2</sub> O
Molecular Weight:	260.31
Target:	Fungal; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antibacterial agent 73 (compound 7a) is a potent antimicrobial agent. Antibacterial agent 73 exhibits very good antitubercular activity (MIC=0.65 µg/mL) against Mtb H37Rv. Antibacterial agent 73 shows good activity against fungal and bacterial. Antibacterial agent 73 also shows cytotoxicity in MCF-7 breast cancer cell lines, with IC<sub>50</sub> of 8.20 µM<sup>[1]</sup>.

### REFERENCES

[1]. Mekonnen Sanka B, et al. Design, synthesis, biological screening and molecular docking studies of novel multifunctional 1,4-di (aryl/heteroaryl) substituted piperazine derivatives as potential antitubercular and antimicrobial agents. Bioorg Chem. 2022 Feb;119:105568. \

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

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