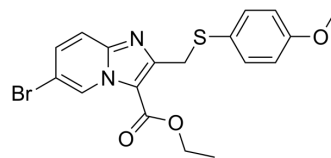


## Antibacterial agent 185

Cat. No.:	HY-157808
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> BrN <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	421.31
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Antibacterial agent 185 (compound IP-01) is a potent antibacterial agent. Antibacterial agent 185 inhibits filamentous temperature-sensitive mutant Z (FtsZ) polymerization and bundling by increasing GTP hydrolysis. Antibacterial agent 185 inhibits *Streptococcus pneumoniae* and shows narrow-spectrum activity<sup>[1]</sup>.

### REFERENCES

[1]. Jahan K, et al. Identification of ethyl-6-bromo-2((phenylthio)methyl)imidazo[1,2-a]pyridine-3-carboxylate as a narrow spectrum inhibitor of *Streptococcus pneumoniae* and its FtsZ. *Eur J Med Chem.* 2024 Mar 5;267:116196.

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

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