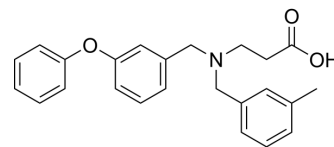


## PC58538

Cat. No.:	HY-111396
CAS No.:	434910-94-8
Molecular Formula:	C <sub>24</sub> H <sub>25</sub> NO <sub>3</sub>
Molecular Weight:	375.46
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	PC58538 is a cell division inhibitor, targeting to FtsZ. PC58538 shows moderate antibacterial activity, and inhibits cell division in vegetative cells of wild-type <i>B. subtilis</i> . PC58538 is also known to modulate the rate of GTP hydrolysis <sup>[1][2]</sup> .
<b>In Vitro</b>	PC58538 (128 g/mL; 2 h) inhibits cell division, and increases average cell length about 5-fold <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Stokes NR, et al. Novel inhibitors of bacterial cytokinesis identified by a cell-based antibiotic screening assay. *J Biol Chem.* 2005 Dec 2;280(48):39709-15.

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

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