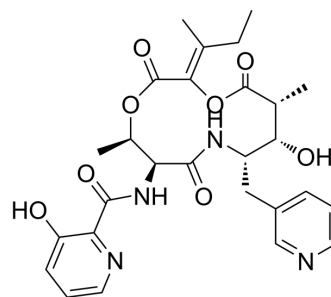


## Pyridomycin

Cat. No.:	HY-111402
CAS No.:	18791-21-4
Molecular Formula:	C <sub>27</sub> H <sub>32</sub> N <sub>4</sub> O <sub>8</sub>
Molecular Weight:	540.56
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Pyridomycin (Erizomycin) is a selective and low cytotoxic inhibitor of Mycobacterium tuberculosis that effectively targets InhA. Pyrdomycin is also an antibiotic that can be obtained from metabolites of Dactylosporangium fulvum. Pyrdomycin can be used in the study of bacterial infections such as tuberculosis <sup>[1][2]</sup> .
<b>In Vitro</b>	Pyridomycin shows good inhibitory activity against Mycobacterium tuberculosis (minimum inhibitory concentration=0.39 µg/mL) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Hartkoorn RC, et al. Towards a new tuberculosis drug: pyridomycin - nature's isoniazid. EMBO Mol Med. 2012 Oct;4(10):1032-42.
- [2]. Hartkoorn RC, et al. Pyridomycin bridges the NADH- and substrate-binding pockets of the enoyl reductase InhA. Nat Chem Biol. 2014 Feb;10(2):96-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA