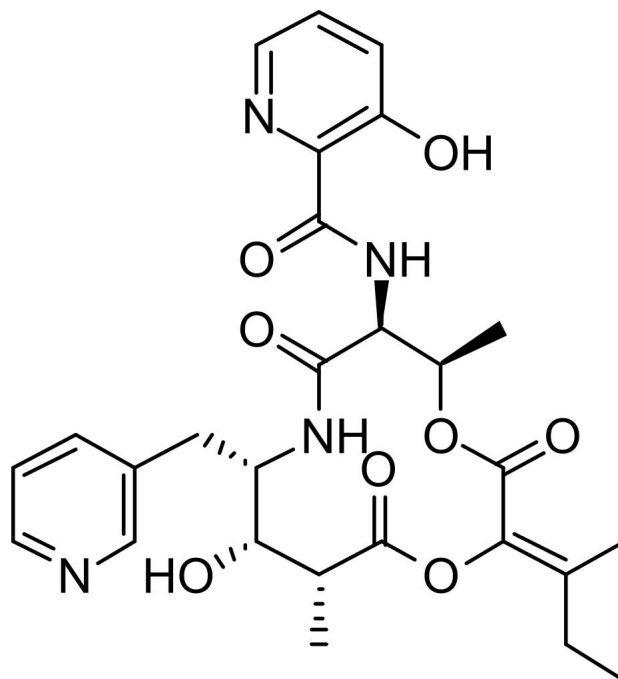


Pyridomycin

Code No.: BIA-P1556

Pack sizes.: 0.5mg, 2.5mg



Synonyms:

U24544, Antibiotic U24544, Erizomycin

Specifications

CAS #	: <b>18791-21-4</b>
Molecular Formula	: <b>C27H32N4O8</b>
Molecular Weight	: <b>540.6</b>
Source	: -
Appearance	: <b>Off white with pink tinge</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO.</b>

Application Notes

Pyridomycin is a potent antibiotic active against mycobacteria and some Gram negative bacteria, originally isolated from *Streptomyces abidoflavus* by Umezawa group at the NIH Japan in 1953, and since isolated from different species and published under several names. The unusual 12-membered macrocyclic depsipeptide comprises three unique sub-units incorporating two substituted pyridines. Pyridomycin is thought to target NADH-dependent enoyl (acyl-carrier-protein) reductase InhA. Recent reports of activity against isoniazid-resistant mycobacteria has seen pyridomycin identified as a potential lead for new generation antibiotics.

## References

1. A new antibiotic, pyridomycin. Maeda K. et al., J. Antibiot. 1953, 6, 140.
2. Towards a new tuberculosis drug: pyridomycin – nature's isoniazid. EMBO Mol. Med. 2012, 4, 1032.