

## A NEW ERA IN ANTIBIOTICS?

In the last decades, the search for new antibiotics has relied heavily on the chemical modification of natural products (semisynthesis). This method is now showing considerable limitations, especially due to the generalized appearance of resistance.

A paper, in [Nature](#)<sup>1</sup>, reports the engineering of a new antibiotic, iboxamycin, which is fully synthetic. Iboxamycin is orally bioavailable, safe and effective in treating both Gram-positive and Gram-negative bacterial infections in mice.

Is a new era of antibiotics on the horizon for humans?

<sup>1</sup> <https://www.nature.com/articles/s41586-021-04045-6>