

Bifunctional antibiotics for targeting rRNA and resistance-causing enzymes (Technion)

code: DRS-0673

Neomycin B is an important antibiotic, commonly used as a food-additive for agricultural purposes. As a result of antibiotic formulations having been used for several decades, resistance to antibiotics has been evolving. The present invention is a Neomycin B that has been modified by the addition of one extra sugar ring. This modification has been shown to both enhance its antibacterial activity against pathogenic bacterial strains and to produce a significant decline in bacterial resistance. The compounds are also active against Bacillus anthracis (anthrax) and are able to inhibit the proteolytic activity of its lethal factor.

Contact for more information:

Santiago Ini , +972-4-8294856

T - Technion Technology Transfer
Technion City, Senate Bldg., Haifa 32000, Israel
Tel. 972-4-829-4851; 972-8325-375
Fax. 972-4-832-0845