

Nafithromycin

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Nafithromycin Latest News

Recently, the union Science and Technology Minister informed that India has developed its first indigenously discovered antibiotic, Nafithromycin.

About Nafithromycin

- It is an **antibiotic** which has been developed with the support of “**Biotechnology Industry Research Assistance Council**” (BIRAC).
- It has been brought to market under the **trade name “Miqnaf”**.
- It is the **first molecule entirely conceptualized**, developed and clinically validated in India.
- It is the country’s first indigenously developed antibiotic aimed at **tackling Antimicrobial Resistance (AMR)**.
- It is effective against **resistant respiratory infections**, particularly useful for cancer patients and poorly controlled diabetics.
- This innovation is designed to treat **Community-Acquired Bacterial Pneumonia (CABP)**.

- Nafithromycin's efficacy stands out as it targets **both typical and atypical pathogens**, offering a potent solution where no new antibiotic in this class has been developed worldwide for over three decades.

What is Antimicrobial Resistance (AMR)?

- It occurs when **bacteria, viruses, fungi and parasites** no longer respond to antimicrobial medicines.
- As a result of drug resistance, antibiotics and other antimicrobial medicines become **ineffective** and infections become difficult or impossible to treat.
- It increases the risk of disease **spread, severe illness, disability and death**.
- AMR is a natural process driven by genetic changes in pathogens over time, its spread is significantly accelerated by human activities.

Source: News On Air

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