

Oxazolidinones

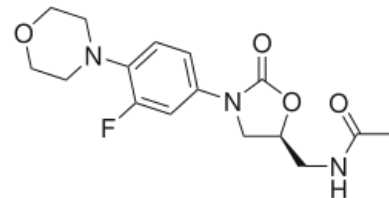
Oxazolidinones are a group of antibiotics with a "bacteriostatic" effect that inhibit proteosynthesis.

Indication

They are among the *backup* antibiotics. Suitable for *'nosocomial infections'* infections, pneumonia.

Contraindications

We do not give children (little experience), careful administration in hypertension, bipolar disorder.



Mechanism of action

The mechanism of action is binding to the 50S ribosomal subunit. Inhibits the formation of the initiation complex.

Antimicrobial spectrum

Antibiotics act on *'G +'* *'bacteria'*. They are also effective against MRSA, GISA, VRE, enterococci, Clostridium difficile and Mycobacterium tuberculosis .

Side effects

Side effects are associated with GIT (diarrhea, nausea, vomiting). Hematotoxicity - after 2-4 weeks, allergic skin reactions, headache, MAO inhibition.

Pharmacokinetics

Absorption is excellent, penetrates well into tissues and secretions, penetrates the CNS relatively well, is completely biotransformed in the "liver", eliminates inactive metabolites in the urine. The application is possible *'parenterally'* and *'orally'* .

Drug interactions

Numerous drug interactions. Mainly with *'vasoactive'* amines, serotonergic drugs. It potentiates their effect. It is necessary to avoid foods rich in *'tyramines'* .

Representatives

'Template:HVLP' : Zyvoxid, Dilizolen, Gramposimide. Linezolid dosage 2 × 600 mg / d i.v. or p.o. ^[1]

Links

External links

- <http://www.chm.bris.ac.uk/motm/linezolid/linezolid.htm>
- <https://www1.lf1.cuni.cz/~hrozs/Atb2011/antibio07.htm>

Related Articles

- Antibiotic for the treatment of staphylococcal infection
- Tetracycline antibiotics
- Antibiotic resistance

Used literature

- HANUŠ, Scattered,. *Basics of Infectious Medicine*. 1. edition. Charles University in Prague, Karolinum Press, 2015. 572 pp. ISBN 9788024629322.

Source

- ws:Oxazolidinony

Reference

1. HANUŠ, Scattered,. *Basics of Infectious Medicine*. - edition. Charles University in Prague, Karolinum Press, 2015. 572 pp. ISBN 9788024629322.

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