Keywords: Bac e.ial .o ein n he i ; Ribo ome binding ca cade;

Tetracyclines

Te ac cline o e a e a a di e en j nc e in he ibo ome binding ca cade. e e an ibio ic hinde he binding of aminoac l- RNA o he ibo ome, e en ing he elonga ion ha e of o ein n he i. e e l i he ema e e mina ion of o ein chain, l ima el ende ing hem nonf nc ional. e e a ili of e ac cline make hem e ec i e again a b oad ec m of bac e ial ecie [9].

Macrolides and lincosamides

Mac olide and linco amide foc hei inhibi o. ac ion on he la ge ibo omal b ni B binding o hi b ni, he di he an loca ion of RNA f om he A-ie o he P-ie, hal ing he ibo ome' og e ion along he mRNA. i in e fe ence im ede he n he i of com le e o ein chain, con ib ing o he bac e io a ic e ec of he e an ibio ic.

Clinical signi cance

e de elo men of an ibio ic a ge ing he .ibo ome binding ca cade ha .e ol ioni ed he clinical land ca e in .ea ing bac e ial infec ion . e e an ibio ic e hibi e cac again a di e e .ange of bac e ial ecie, making hem indi en able in .a.io medical cena io . Ho e e, he eme gence of an ibio ic .e i ance o e a fo midable challenge, nde co ing he need fo con in o e ea ch and inno a ion in an ibio ic de elo men .

Challenges and future perspectives

An ibio ic, e i ance, a ic la l in he con e of he, ibo ome binding ca cade, nece i a e ongoing , e ea ch e o. Bac e, ia can ac i.e. e i ance h o gh m a ion in , ibo omal RNA o, o ein , limi ing he e ec i ene of e i ing an ibio ic .F , e , a egie ma in ol e he de elo men of no el an ibio ic i h enhanced eci ci , a ell a he e lo, a ion of combina ion he, a ie o mi iga e , e i ance and im , o e , ea men o, come [10].

Conclusion

Inhibi ion of bac e ial .0 ein n he i h o gh he di ... ion of he ibo ome binding ca cade .e e en a co.ne. one in he gh again bac e ial infec ion . e di e i of an ibio ic a ge ing di e en age of hi ca cade nde co.e he im o ance of

nde, anding he molec la indicacie in ol ed. A he cien i c communi ad ance, he e for inno a i e an ibio ic con in e, aiming o a one e ahead of e ol ing bace ial e i ance and en dinge ec i e ea men for infection di ea e. A e na iga e he challenge of an ibio ic e i ance, con in ed e earch hold he ke o main aining he e ec i ene of he e inhibitor, and ha ing he for e of an ibac e ial he a e ic.

Coll ict of Interest

None

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