







Serious adverse effect: dose-related aplastic anaemia Thus, last resort in anti-infective therapy









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Guide to pK_a HBr, $pK_a = -9.0$; Acetic acid, 4.76; Water, 15.7, CH₃, 50



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Tetracyclines **E**pimerization **Extremely important** occurs between pH 2 - 6 favoured in buffered solutions, which leads to an equilibrium consisting 2/3 tetracycline & 1/3 epitetracycline Epitetracycline is 1.5% of tetracycline NH₂ • Take extra, extra care when you're asked to prepare an solution of tetracycline Epitetracvcline *Chemistry important

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Tetracyclines

Under basic conditions:





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to formulation



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