

- If isoleucine is added to the growth medium of *E. coli*, it inhibited the first enzyme in the pathway and isoleucine will not be synthesised
 - This situation will exist until the isoleucine is used up
- The inhibition of the first enzyme prevents the build-up of intermediates in the cell and it is a form of *negative feedback*
- A *coenzyme* has an essential role in the normal actions of an enzyme
 - Is not usually a protein
- Many potential new medicines can come from controlling enzymes
- By the use of massive databases of inhibitors, scientists have been able to find new potential medicines for malaria

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