

16. The reason for “drug induced poisoning” is :

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- (a) Binding reversibly at the active site of the enzyme
- (b) Bringing conformational change in the binding site of enzyme
- (c) Binding irreversibly to the active site of the enzyme
- (d) Binding at the allosteric sites of the enzyme

Ans.(c)

(c) Enzyme inhibition can be either reversible or irreversible. In case of irreversible inhibition the inhibitor dissociates very slowly from its target enzyme as it has tightly bound to the enzyme either covalently or non-covalently. Some irreversible inhibitors are important drugs like Penicilline and Aspirin. Thus "drug induced poisoning" may bound irreversibly to the active site of the enzyme.