

Examples

non competitive enzyme inhibitors	<p>Cyanide inhibits cytochrome oxidase. مضاد للإنزيم</p> <ul style="list-style-type: none">- Fluoride inhibits enolase and hence glycolysis.- Iodoacetate inhibits enzymes having SH groups in their active sites.
Uncompetitive enzyme inhibition	<p>Inhibition of placental alkaline phosphatase (Kagan isoenzyme) by phenylalanine</p>
Suicidal inhibition	<p>1 Ornithine decarboxylase: is irreversibly inhibited by difluormethyl ornithine, as a result multiplication of parasite is arrested. Used against trypanosome in sleeping sickness</p> <p>2 العادية تزداد Allopurinol is oxidized by الإنزيم xanthine oxidase to المنتج alloxanthine which is a strong inhibitor of xanthine oxidase</p> <p>3 Aspirin action is based on suicide inhibition</p> <p>4 Acetylates a serine residue in the active center of (cyclo-oxygenase). Thus, PG synthesis is inhibited so inflammation subsides</p> <p>5 Disulfiram: used in treatment of alcoholism Drug irreversibly inhibits the enzyme aldehyde dehydrogenase preventing further oxidation of acetaldehyde which produces sickening effects leading to aversion to alcohol.</p>
Switching off	<p>Phosphofructokinase -1 (PFK-1)</p> <ul style="list-style-type: none">- It catalyzes phosphorylation of fructose-6-phosphate into fructose 1, 6 biphosphate <p>It has an allosteric site for an ATP molecule (the inhibitor)</p>