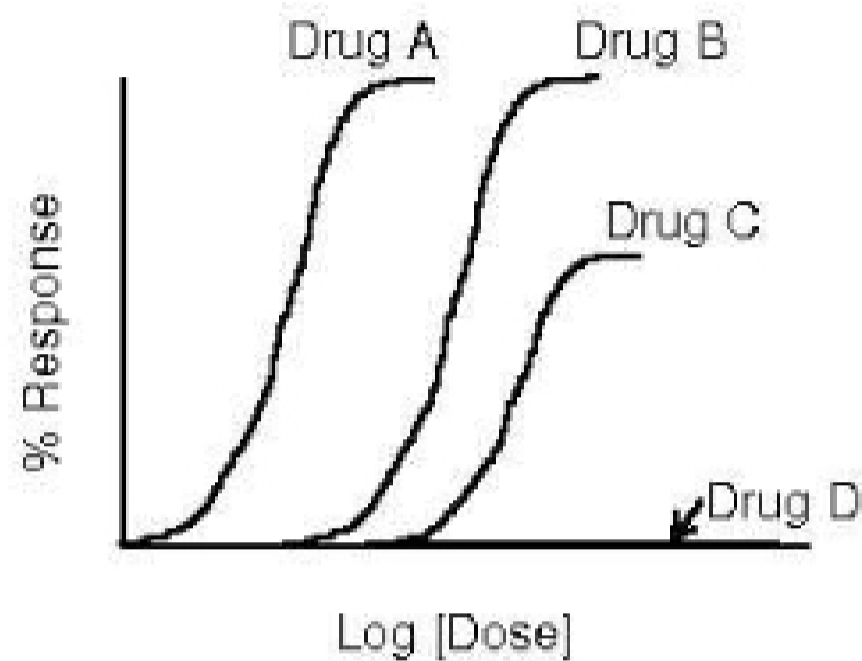


Which of the drugs qualifies as a partial agonist?



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A patient appears in the emergency room with a history of ingesting vinegar at a party where marijuana was smoked. The pH of his urine was found to be 2.0. What effect would this pH have had on 11-nor delta9-THC carboxylic acid (THC-COOH), a weak acid metabolite of marijuana?

- A. the THC-COOH would be ionized
- B. the concentration of THC-COOH in urine would be decreased
- C. the concentration of THC-COOH in urine would be increased
- D. the excretion of THC-COOH would be facilitated
- E. none of the above



The full effect of digoxin in slowing the heart rate after a single i.v. dose may require 6-8 hours to develop. Which of the following is the most likely explanation?

- A. rapid renal clearance
- B. long distribution phase
- C. extensive protein binding
- D. long elimination half-life
- E. small volume of distribution

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Phenobarbital and warfarin were administered together to a patient with a myocardial infarction over a period of 7 days. During this time, the warfarin dosage was adjusted to get a 20% increase in coagulation time. On day 8, the patient discontinued the phenobarbital but continued to take the warfarin for the next 2 weeks. What effect would be expected with respect to warfarin?

- A. plasma level would be increased
- B. plasma level would be decreased
- C. prothrombin time would be decreased
- D. warfarin binding to plasma protein would be decreased