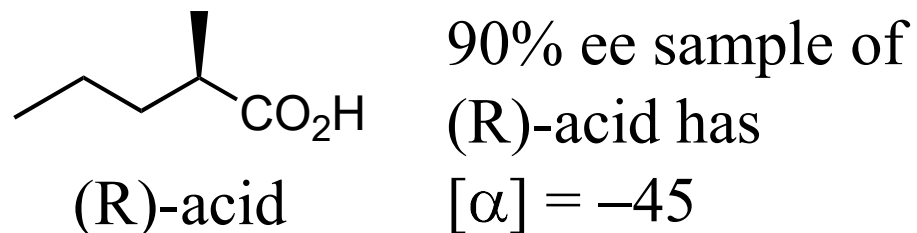


Which of the following statements is NOT true about a given sample of (R)-acid that has a specific rotation $[\alpha] = -45$ and 90% ee?



- A) The sample is optically active.
- B) Pure (R)-acid would have $[\alpha] = -50$.
- C) The sample contains 90% (R) enantiomer and 10% racemic mixture.
- D) The sample contains 95% (R) enantiomer and 5% (S) enantiomer.
- E) The (S)-acid enantiomer is levorotatory.