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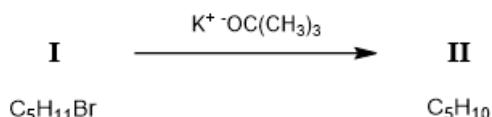
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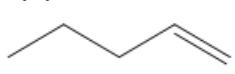


Compound I, molecular formula $C_5H_{11}Br$, undergoes potassium t-butoxide-catalyzed elimination to give compound II, molecular formula C_5H_{10} , as the major product. The 1H -NMR spectrum of I shows signals at δ 1.01 (d, 6H), 1.79 (d, 3H), 2.24 (m, 1H), 3.59 (dq, 1H).

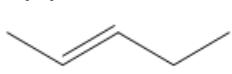
Which one of the following compounds is compound II?



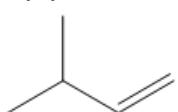
(A)



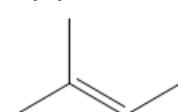
(B)



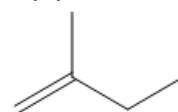
(C)



(D)



(E)



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