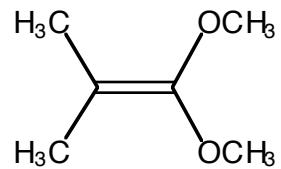


Problem 29, Chemistry 301X, 2006

(a) What are the two possible products of addition of HCl to:



Which is the major product and why?

(b) There are two products of the addition of HBr to 1,3-butadiene. What are they, and how are they formed (arrow formalisms, please)?

