

AFCoKaRE Practice Problem 8.4 Solution

Purpose: This problem allows you to practice generating a rate expression for a non-elementary reaction when there is a rate-determining step in the mechanism.

Problem Statement: Phosgene formation, reaction (1), is non-elementary; it has been proposed to occur via the mechanism consisting of reactions (2) through (4). Generate a rate expression for the non-elementary reaction (1) assuming mechanistic step (4) to be rate-determining.

