“On Water”: Unique Reactivity of Organic Compounds in Aqueous Suspension

Devin O'Brien

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This is a review of the research paper comparing the reactions done “on water” and multiple other solvents. Water is thought to be a good solvent, but it is used mainly only with soluble reactants. They tested multiple reactions, such as Diels-Alder reactions and Claisen rearrangements, with different solvents, including water and toluene. The reactions show that the “on water” reactions occur at an accelerated rate and give a higher yield compared to other solvents. Future studies are to study the neat reaction rates compared to the “on water” reaction rates.

Primary Paper


Supporting References
