

Grignard reagent (Technion)

code: CHM-1375

Metal-organic Grignard reagents are widely used throughout the fine chemical and pharmaceutical industries and are commonly combined with an ether solvent. This combination can make it difficult to control the reaction rate and ether is a volatile compound that must be stored and transported with great care to prevent accidents or the formation of explosive compounds. This invention is for a method for synthesizing Grignard reagents and then performing the reaction with the reagents in the same reactor vessel. This eliminates the need for the use of hazardous ethers and increases control over the reaction increasing the reliability, cost-efficiency and safety of the chemical manufacture.

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