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Microwaves in organic synthesis. Thermal and non-the

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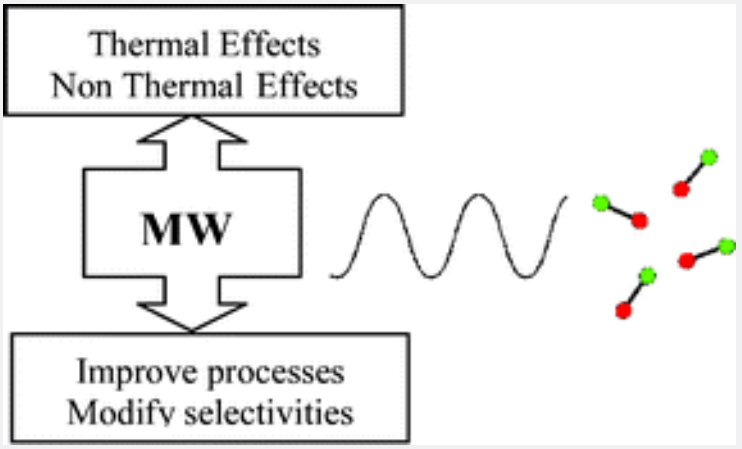
Abstract

Microwave irradiation has been successfully applied in organic chemistry. Spectacu
reaction conditions and higher product purities have all been reported. Indeed, a n
reactions that do not occur by conventional heating and even modifications of sele
effect of microwave irradiation in organic synthesis is a combination of thermal effe
or â œhot spotsâ and the selective absorption of radiation by polar substances. Su
classical heating and the existence of non-thermal effects of highly polarizing radiat
still a controversial topic. An overview of the thermal effects and the current state of
this *critical review* along with a view on how these phenomena can be effectively us



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