**Biomimetic Synthesis**

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Biomimetic synthesis is an area of organic chemical synthesis that is specifically biologically inspired. The term encompasses both the testing of a "biogenetic hypothesis" through execution of a series of reactions designed to parallel the proposed biosynthesis, as well as programs of study where a synthetic reaction or reactions aimed at a desired synthetic goal are designed to mimic a one or more known enzymic transformations of an established biosynthetic pathway. Biomimetic synthesis has attracted great interest of researchers from a number of fields. Some of the highly complex synthesis processes using traditional approaches become easy and efficient through biomimetic synthesis. Various natural products viz. Carpanone, Tropinone, Spirotryprostatin B, etc. have been synthesised by biosynthetic pathway.