**Tandem Michael addition of various amines to substituted maleimides**

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Abstract: Maleimide is a multifunctional organic compound as it has two functionalities. Maleimide and its *N*-substituted derivatives showed various biological applications as chemical probes of protein structure1 and linkers for conjugation of molecules to proteins.2 We carried out Michael addition of maleimide with different primary and secondary amines experimentally and the mechanism of this reaction was investigated theoretically. All the products were white to yellow crystalline solids with high yields. The structures of the products were established on the basis of IR, 1H, 13C NMR and elemental analysis.

References:

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