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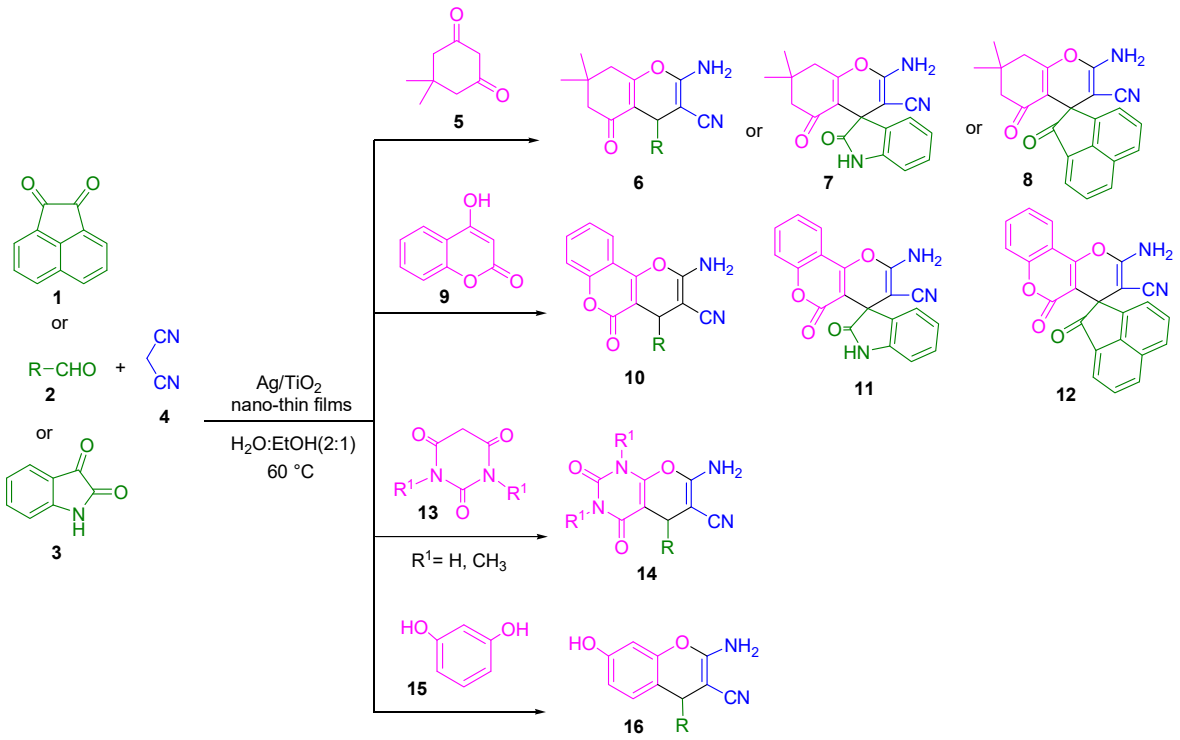
Papers

127 **Three-component coupling approach for the synthesis of 4*H*-pyrans and pyran-annulated heterocyclic scaffolds utilizing Ag/TiO_2 nano-thin films as robust recoverable catalyst**

As a segment of ongoing surveys and with the aim of expansion of environmentally benign processes, a series of biologically varied type of substituted 2-amino-3-cyano-4*H*-pyrans and pyran-annulated Scaffolds have been synthesized by tandem Knoevenagel-cyclocondensation of aldehydes, malononitrile, and C-H-activated acidic compounds in aqueous ethanol in the presence of Ag/TiO_2 nano-thin films as an eco-friendly, recyclable, and, robust catalyst at 60°C.



Fatemeh Noori Sadeh, Mojtaba Lashkari*, Nourallah Hazeri, Maryam Fatahpour, Malek Taher Maghsoodlou, Mohammad Saeed Hadavi & Sahar Mahnaei

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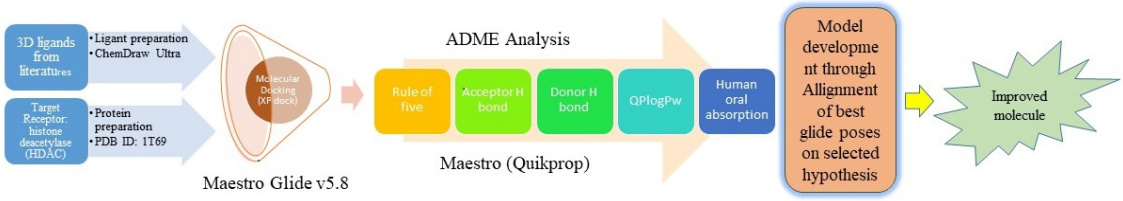
136 **Exploration of anticancer potential of hydroxamate derivatives as selective HDAC8 inhibitors using integrated structure and ligand based molecular modeling approach**

Structure activity relationship has been established among hydroxamic acid based HDAC8 inhibitors as anticancer agents using combined approach of ligand and structure based methods.



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