3-phenylcoumarins as a privileged scaffold in medicinal chemistry: The landmarks of the past decade

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Abstract

3-Phenylcoumarins are a family of heterocyclic molecules that are widely used in both organic and medicinal chemistry. In this overview, research on this scaffold, since 2010, is included and discussed, focusing on aspects related to its natural origin, synthetic procedures and pharmacological applications. This review paper is based on the most relevant literature related to the role of 3-phenylcoumarins in the design of new drug candidates. The references presented in this review have been collected from multiple electronic databases, including SciFinder, Pubmed and Mendeley.

Author keywords

3-phenylcoumarins; Pharmacological activity; Synthetic pathways