



Natural Products Targeting Mitochondria

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Message from the Guest Editor

Beyond their role as ATP-generating ‘powerhouses’, mitochondria are central to the life of the cell at many levels, including their contribution to biosynthetic pathways, their participation in reactive oxygen metabolism, and their pivotal role in apoptosis. In this Special Issue, we focus specifically on natural products—those that are produced by, and can be isolated from, plants, microbes, and animals—that interact with mitochondria directly or via effects on gene expression.

We invite review articles that provide expert summaries of how specific natural products interact with mitochondria. We also invite original papers describing the discovery of new natural products targeting mitochondria or provide increased molecular detail regarding the mechanisms by which established natural products affect mitochondria. Finally, new tools and/or methodologies that increase our ability to measure mitochondrial function/dysfunction in this context are also very much welcomed. This is an exciting time in mitochondrial biology and in the discovery and characterization of new natural products, and we believe this will be reflected in this Special Issue.





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