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Indole Derivatives as Targeted Melatonin and Serotonin Receptor Ligands

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Deadline for manuscript submissions:

23 February 2025

Message from the Guest Editors

Indole derivatives and relative bioisosteres, including other condensed heteroaryl scaffolds or simplified derivatives with a flexible chain, represent the principal strategy to design compounds with melatonergic or serotonergic activity through structure–activity relationship studies. In this Special Issue, we want to highlight the newest findings in the discovery of synthetic or natural products with potential bioactivity in target-mediated interaction with melatonin or serotonin receptors. This activity may be complemented by the intrinsic reactivity of compounds due to their antioxidant and radical-scavenging properties or the introduction of a second moiety, resulting in a dual-target or multi-target engagement. We invite you to share recent advancements in the drug design and discovery, synthesis and characterization of new melatonergic or serotonergic compounds containing an indole moiety or a bioisostere replacement. Such new molecules could introduce a novel series, expand our knowledge of already-proposed scaffolds or elucidate new biological activities for known melatonergic or serotonergic agents.



mdpi.com/si/213597

Special Issue



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