



Cholinesterase Inhibitors

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Message from the Guest Editor

Dear Colleagues,

Acetylcholinesterase (AChE, EC 3.1.1.7) plays a pivotal role in cholinergic transmission in the central nervous system and at the neuromuscular junctions (NMJ). Even if its physiological role has not yet been identified, butyrylcholinesterase (BChE, EC 3.1.1.8), also named pseudocholinesterase, is well known to play a role in metabolizing bioactive esters (e.g., succinylcholine, cocaine). The effects of cholinesterase inhibitors (ChEIs) have been investigated in diseases associated with a cholinergic deficit, such as Alzheimer's disease (AD) and other dementias. Although ChEIs afford mostly a symptomatic response to AD patients, the development of new ChEIs (e.g., multifunctional ligands, selective BChE inhibitors) remains of interest to treat neurodegenerative diseases.

In this Special Issue, we invite you to submit original research papers or reviews, which report on the design, synthesis, and biological evaluation of novel ChEIs.

Dr. Ludovic Jean
Guest Editor





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Message from the Editor-in-Chief

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