



Cholinesterase Inhibitors

Guest Editor:

Prof. Dr. Ludovic Jean

1. Faculty of Pharmacy,
University of Paris, 4 Avenue de
l'Observatoire, 75270 Paris,
CEDEX 06, France

2. Laboratory CITCoM UMR CNRS
8038, 75270 Paris, CEDEX 06,
France

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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 pseudo-cholinesterase, 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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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

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Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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