The role of muscarinic acetylcholine receptor M3 in cardiovascular disease

xinxing liu¹, Yi Yu¹, Haiying Zhang¹, min zhang¹, and yan liu¹
¹Hainan Medical University

March 10, 2024

Abstract

The muscarinic acetylcholine receptor M3 (M3-mAChR) is involved in various physiological and pathological processes. Owing to specific cardioprotective effects, M3-mAChR is an ideal diagnostic and therapeutic biomarker for cardiovascular diseases (CVDs). Growing evidence has linked M3-mAChR to the development of multiple CVDs. This review summarizes the expression patterns, functions, and underlying mechanisms of action of M3-mAChR in CVDs, especially ischemia/reperfusion injury, cardiac hypertrophy, and heart failure.

Hosted file

manucript.docx available at https://authorea.com/users/753479/articles/723737-the-role-ofmuscarinic-acetylcholine-receptor-m3-in-cardiovascular-disease





