

综述

磷脂酶A2与神经系统疾病

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摘要

磷脂酶A2是一大类能催化水解磷脂特定酯键的酶,与哺乳动物神经系统存在密切的关系。磷脂酶A2在神经系统广泛表达,以海马最为丰富,在维持神经元的正常功能中起重要作用。在神经系统病理状态下,磷脂酶A2同工酶活性可增强或降低,引起不同程度的神经系统病变。一些磷脂酶A2抑制剂可能延缓病程的进展,达到治疗的目的。

关键词 [磷脂酶A2](#); [神经系统](#); [神经系统疾病](#); [抑制剂](#)

分类号

Phospholipase A2 and nervous system diseases

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Abstract

Phospholipase A2 (PLA2) is a family of enzymes which catalyzes the hydrolysis of the special ester bond of phospholipids. The present studies indicate that there is close relationship between PLA2 and mammalian nervous system. It expresses extensively in nervous system, particularly abundant in the hippocampus, and plays an important role in maintaining the normal functions of neurons. Under pathologic status in the nervous system, increased or decreased activities of various PLA2 isozymes can evoke neuropathies in various extent. The researches indicate that some PLA2 inhibitors can be used for the treatments of nervous system diseases.

Key words [phospholipase A2](#) [nervous system](#) [nervous system diseases](#) [inhibitor](#)

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