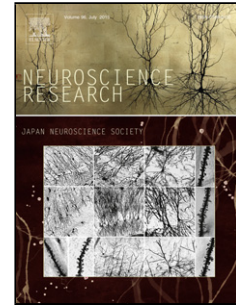


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Title: Lecithin-cholesterol acyltransferase in brain: Does oxidative stress influence the 24-hydroxycholesterol esterification?

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HIGHLIGHTS

1. 24-hydroxycholesterol is esterified by lecithin-cholesterol acyltransferase (LCAT).
2. 24-hydroxycholesterol esters are lower in CSF of patients with Amyotrophic Lateral Sclerosis.
3. LCAT amount in CSF is about 4-fold higher in patients than in controls.
4. Oxidative stress reduces LCAT activity in vitro.
5. 24-hydroxycholesterol stimulates LCAT secretion from astrocytoma cells in culture.

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