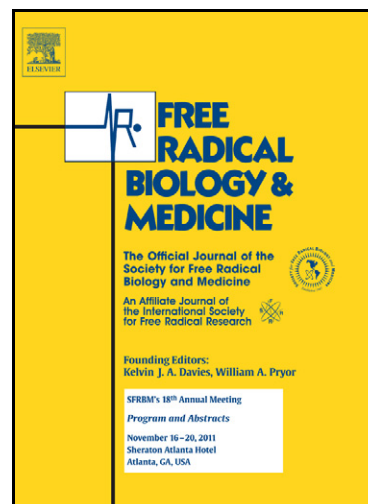


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Occurrence of cytotoxic 9-oxononanoyl secosterol aldehydes in human low density lipoprotein

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1 **Occurrence of cytotoxic 9-oxononanoyl secosterol aldehydes in human low density**
2 **lipoprotein**

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10 **Running title:** Acyl esters of secosterol aldehydes

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15

16 The following abbreviations are used: LDL, low density lipoprotein; secosterol-A,
17 3 β -hydroxy-5-oxo-5,6-secocholestan-6-al; secosterol-B,
18 3 β -hydroxy-5 β -hydroxy-B-norcholestane-6 β -carboxaldehyde; C16:0-CE, cholesteryl
19 palmitate; C18:1-CE, cholesteryl oleate; C18:2-CE, cholesteryl linoleate; 9-ONC,
20 9-oxononanoyl cholesterol; 9-ON-secoA, 9-oxononanoyl secosterol-A; 9-ON-secoB,
21 9-oxononanoyl secosterol-B; 5-OVA, 5-oxovaleroyl cholesterol; ROS, reactive oxygen
22 species; DH, dansyl hydrazine; MRM, multiple reaction monitoring

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