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Column: REVIEW

Long-chain acyl-CoA synthetase in fatty acid metabolism: An update

Sheng Yan, Xue-Feng Yang, Hao-Lei Liu, Nian Fu, Yan Ouyang, Kai Qing

Abstract

Long-chain acyl-CoA synthetase (ACSL) family members include five different ACSL isoforms, each encoded by a separate gene and have multiple spliced variants. ACSLs on endoplasmic reticulum (ER) and mitochondrial outer membrane catalyze fatty acids with chain lengths from 12 to 20 carbon atoms to form acyl-CoAs, which are lipid metabolic intermediates and involved in fatty acid metabolism, membrane modifications and various

Match Overview

1 **CrossCheck** 36 words
Douglas G Mashek, "Long-chain acyl-CoA synthetases and fatty acid channeling", *Future Lipology*, 06/2007

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