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A conjugated fatty acid present at high levels in bitter melon seed favorably affects lipid metabolism in hepatocytes by increasing NAD $^+$ /NADH ratio and activating PPAR α , AMPK, and SIRT1 signaling pathway

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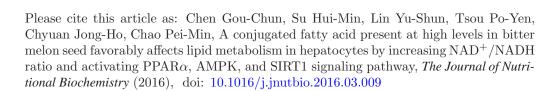
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(Title page)

A conjugated fatty acid present at high levels in bitter melon seed favorably

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H4IIEC3 cells; Nicotinamide phosphoribosyltransferase

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