7-Glucosyladenine, a New Adenine Metabolite in Coffee Cell Suspension Cultures

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SUMMARY

A novel compound was isolated from suspension-cultured cells of *C. arabica* growing in the presence of 1 mM adenine and was identified as 7-glucopyranosyladenine. The high specific activity of the isolated 7-glucosyladenine after feeding [8-^{14}C]adenine signifies a very close metabolic relation to the precursor adenine and points to a small or absent glucoside pool.

Preliminary results indicate that 7-glucosyladenine is a salvage form of exogenous adenine.