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Two novel inclusion complexes of colon cancer chemopreventers, Auraptene and 4'-Geranyloxyferulic acid

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[Congress Abstract](#)

In recent years we have demonstrated that two prenyloxyphenylpropanoids, namely the geranyloxycoumarin auraptene, widespread in edible fruits of plants belonging to the genus *Citrus*, and 4'-geranyloxyferulic acid, extracted from the Australian shrub *Acronychia baueri* Schott (Rutaceae), exert valuable effects as dietary feeding colon cancer chemopreventive agents.¹ The same was seen for the well known iNOS inhibitor *N*-nitro-L-arginine methyl ester (L-NAME).² As a continuation of our studies about physico-chemical and pharmacological properties of cyclodextrin-inclusion compounds of prenyloxyphenylpropanoids, we describe herein the synthesis and structural characterization of complexes between auraptene, 4'-geranyloxyferulic acid, each coupled to L-NAME, and β -cyclodextrin to be used as novel prodrugs of the title cancer chemopreventers.

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