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Photochemical Reaction of Cholesterol Analogs with a Carbene-Generating Substituent on the Side Chain*

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The photoaffinity-labelled analogs of cholesterol, *i.* e. the diazoacetate 1, the aryldiazirines 2 and 3 and the fluorodiazirine 4 were photolysed in cyclohexane or methanol solution. The results illustrated below indicates that the compounds 1—3 gave effectively C-H or O-H insertion products, and therefore they would be promising probe for investigations on cholesterol-phospholipid interaction in artificial and/or biological membranes.

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