Larodan Lipids´ Customer Service now introduces:

General synthesis of R_1-(CH=CH-CH_2)$_n$-R_2-COOH (n < 4) Fatty Acids

Fatty acids constitute an important class of lipids and are frequently occurring in esterified form as, *e.g.,* triglycerides, phospholipids and waxes. Lipids from natural sources contain mainly even-numbered fatty acids, and the unsaturated ones show, in most cases, a relatively limited structural variation with predominance for omega-9- and omega-7-monounsaturated and omega-6- and omega-3-polyunsaturated analogues. For various purposes, such as enzymological and receptor studies, membrane modelling and analytical work it is often valuable to use analogues of natural fatty acids differing from those with respect to chain length and/or position of the double bond system.

Now Larodan introduces such fatty acid analogues based on customer synthesis. This new kind of fatty acids will cover C_{16} to C_{22} mono-, di- and tri-unsaturated fatty acids having methylene group-interrupted *cis* double bonds corresponding to the general formula:

CH_3-(CH_2)$_a$-(CH=CH-CH_2)$_b$-(CH_2)$_c$-COOH

with the following restrictions:

b = 1 - 3, and 13 < (a + 3 * b + c) < 21

Purification is done by reversed phase HPLC to meet >98% purity by GC-MS and/or GLC using FID detection. Upon request, D (2H)-labelling can be introduced in selected positions.