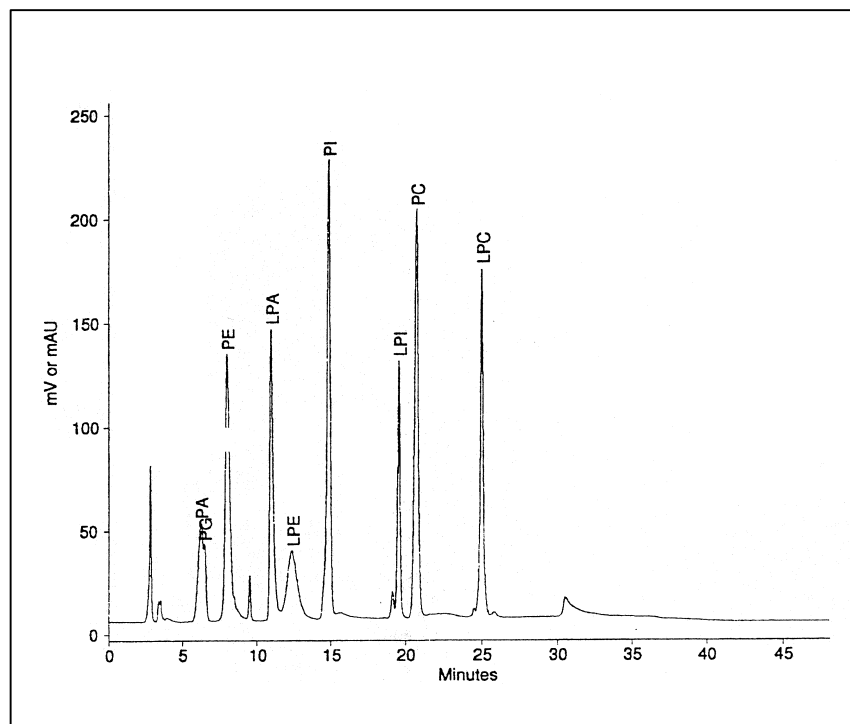


Separation of Lysophospholipid Class



B. Sas, E. Peys, M. Helsen Journal of Chromatography A, 864(1999) 179-182

Lysophospholipids are the subject of intensive study in pharmaceuticals, cosmetics, food and feed industry. Most of phospholipids used in industrial applications are obtained as a by product of the vegetable oil production and have a varying composition. The efficacy of these applications depends on the quality of these crude products and therefore on chemical composition or lysophospholipid class distribution. The authors carried out a method allowing the simultaneous separation of eight lysophospholipid classes.

Chromatographic conditions :

Column : A YMC-Pack Diol-NP column(S 5µm, 120A, 250x4.6mm)

Flow Rate : 1 ml/mn

Mobile Phase A : n-hexane

B : MeOH/AcOH/triethylamine (765.7:15.31:12.9, w/w)

C : Acetone/AcOH/triethylamine (765.4:15.31:12.9, w/w)

Gradient:

Tmin :	0	6	10	11	16.5	18.5	22	26	28	32	42	46
B% :	0	4	6	11	15	25	30	40	50	50	0	0
C% :	93	89	87	82	78	68	63	53	43	43	93	93

Nebulizer temperature : 25°C

Evaporation temperature : 35°C

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