

Supplements

Fig. 1S. The structure of plasmalogen standard 1-(1Z-octadecenyl)-2-oleoyl-*sn*-glycero-3-phosphoethanolamine, lithium salt.

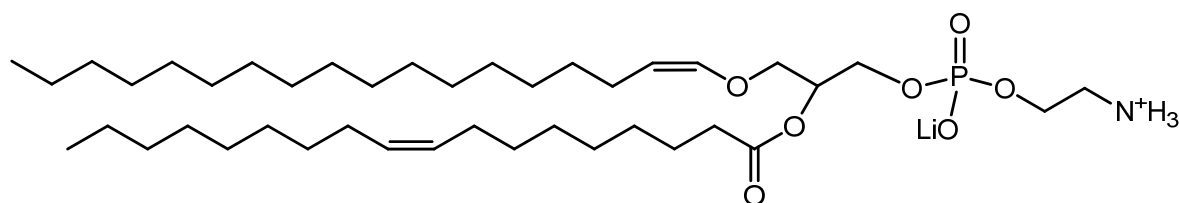


Fig. 2S. Tandem mass spectrum of the standard 1-(1Z-octadecenyl)-2-oleoyl-*sn*-glycero-3-phosphoethanolamine, lithium salt.

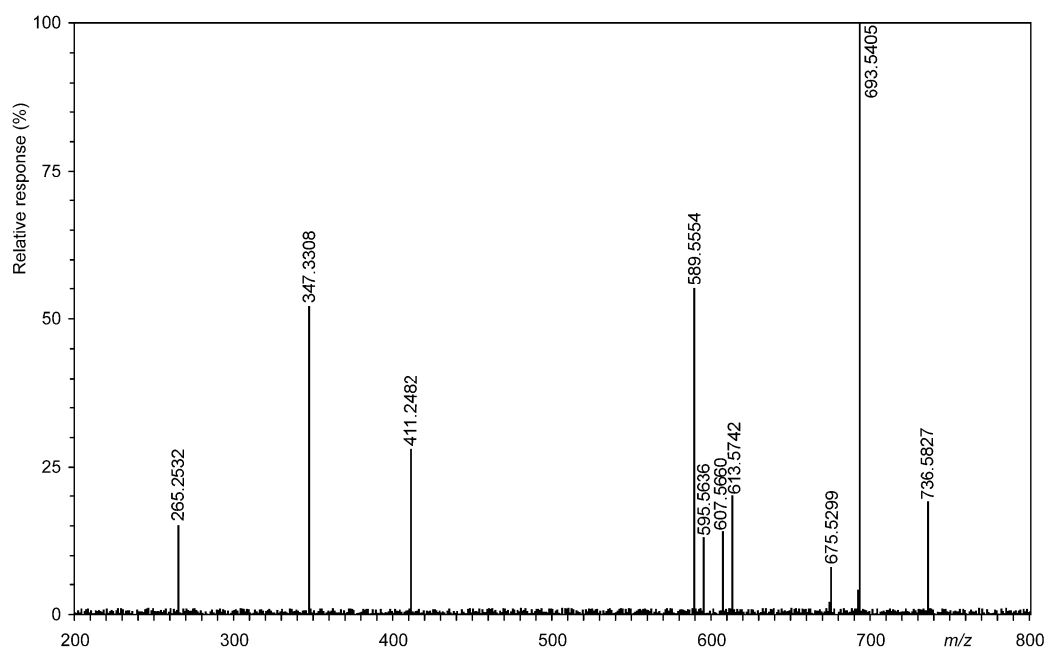


Fig. 3S. Tandem mass spectrum of natural plasmalogen 1-(methylene-nonadecyl)-2-pentadecanoyl-*sn*-glycero-3-phosphoethanolamine (c-p-19:0/15:0), lithium salt.

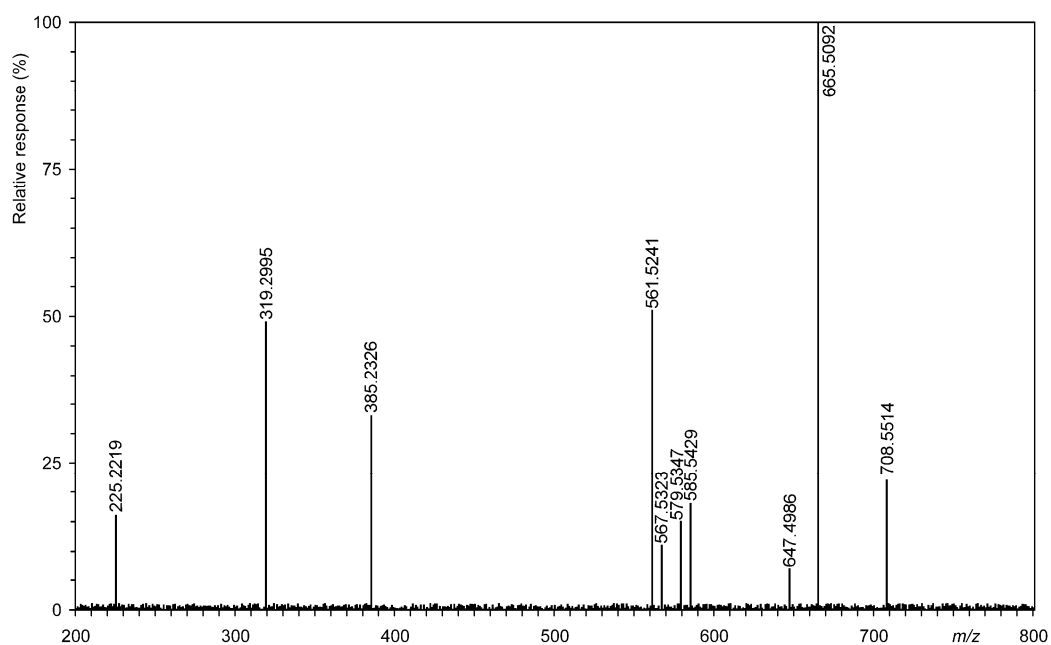
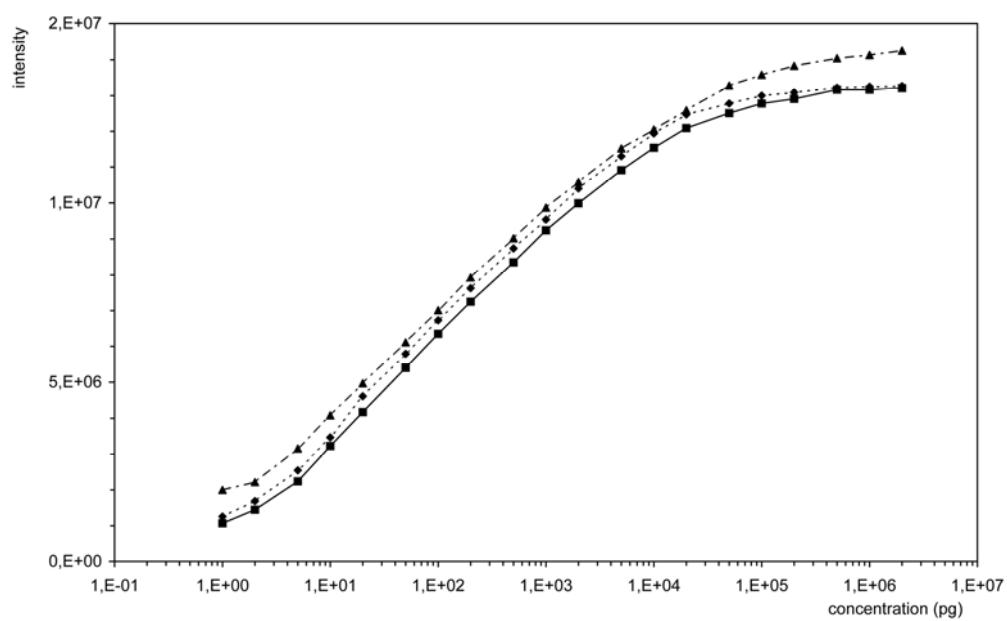


Fig. 4S. Test of linearity, detection limit, and reproducibility (LC-MS/ESI) for a commercially obtained standard molecular species (p18:0/18:1 PE). The standard was injected onto the HPLC column at the concentrations described in Experimental.



Abbreviations

CID	collision-induced dissociation
c-p-19:0/15:0 PE	1-methylene-nonadecyl-2-pentadecanoyl- <i>sn</i> -glycero-3-phosphoethanolamine
DEFT	Direct epifluorescent filter technique
DSMZ	Collection Deutsche Sammlung von Mikroorganismen und Zellkulturen, Braunschweig, Germany
ESI-MS SIM	Electrospray ionization-tandem mass spectrometry selected ion monitoring
FISH	Fluorescence in situ hybridization
HPA	Hybridization protection assay
LC-MS	Liquid chromatography–mass spectrometry
MALDI-TOF MS	Matrix assisted laser desorption/ionization time-of-flight mass spectrometry
MF-FIA	Membrane filter-based fluoroimmunoassay
MRS-T	De Man–Rogosa–Sharpe with tetrahydroiso- α -acids
NBB-B-AM	Nachweismedium für Bierschädliche Bakterien - Bouillon-Anreicherungsmedium
NBB-C	Nachweismedium für Bierschädliche Bakterien -Concentrate
PCR	Polymerase chain reaction
RIBM	Collection Research Institute of Brewing and Malting, Prague, Czech Republic.
SIM	Selected ion monitoring
SMMP	Selective medium for <i>Megasphaera</i> and <i>Pectinatus</i>
YPD	Yeast extract-peptone-dextrose medium