Supplemental Table S1: Characterization of GluCer species by mass spectrometry.

Exact mass measurements (MS mode) and fragment ions obtained by MS^2 (a) and MS^3 (b) modes for singly charged ions (lithium adducts) of DRM GluCer produced in the electrospray ionisation mode. Nomenclature of ceramide fragment ions is according to Domon and Costello (1988), Adams and Ann (1993) and Levery et al. (2000).

fatty acid	Measured	Calculated	Y0	Z0	O	Z0/G	Y0/O	C1
sphingosine	m/z	m/z	(a)	(a)	(a)	(b)	(b)	(b)
(formula)	(M+Li) ⁺ ion	$(M+Li)^+$ ion	m/z	m/z	m/z	m/z	m/z	m/z
16:0	704.5705	704.5653	542.5	524.3	450.4	304.3	304.3	187.1
d 18:2								
$(C_{40}H_{75}O_8NLi)^+$								
h 16:0	720.5617	720.5602	558.5	540.5	466.4	304.3	304.3	187.1
d 18:2								
$(C_{40}H_{75}O_9NLi)^+$								
h 16:0-OH	736.5450	736.5551	574.5	556.5	482.4	304.3	320.3	187.1
d 18:2								
$(C_{40}H_{75}O_{10}NLi)^{+}$								

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