

Supplemental Table 4D: Sphingoid bases in human plasma samples. All measurements were performed in quadruplicate.

Sphingoid base¹	Mean (pmol/ml)	SEM (pmol/ml)	Mean (µg/dl)	SEM (µg/dl)
Sphinganine (d18:0)	64	8	1.9	0.2
Sphingosine (d18:1)	91	10	2.7	0.3
Sphinganine 1-phosphate (d18:0-P)	97	15	3.7	0.6
Sphingosine 1-phosphate (d18:1-P)	308	10	11.7	0.4
Sphingosine 1-phosphate (d16:1-P) ²	3.3	1.2	0.12	0.04
Sphingosine 1-phosphate (d19:1-P) ²	4.5	2.0	0.17	0.08

¹ The sphingoid base nomenclature (e.g., d18:1 for sphingosine) gives the number of hydroxyl groups (d for two), followed by the chain length (number of carbons) and number of double bonds.

² Quantitation of these backbones assumes similar ion yields as for the corresponding d18 species (d17 subspecies were not quantified because this chain length was used for the spiked internal standard).