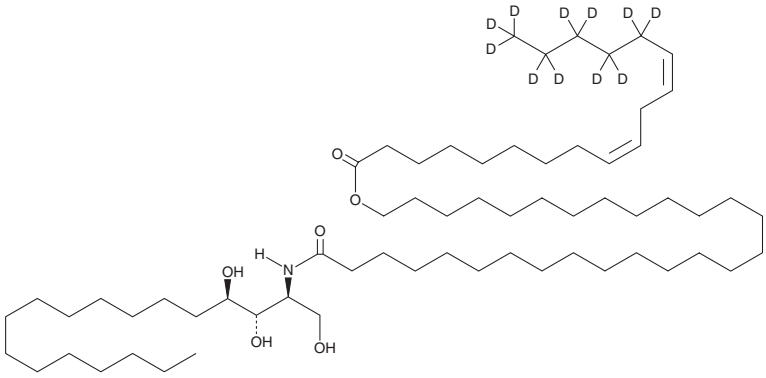
PRODUCT INFORMATION

EOP (t18:0/28:0/18:2)-d_{11}

Item No. 9004339

Formal Name:	28-oxo-28-(((2S,3S,4R)-1,3,4-trihydroxyoctadecan-2-yl)amino)octacosyl (9Z,12Z)-octadeca-9,12-dienoate-14,14,15,15,16,16,17,17,18,18,18-d_{11}
Synonyms:	ACer 64:2;O4-d_{11}, Cer(t18:0/28:0/18:2(9Z,12Z))-d_{11}, C46:2 EOP (t18:0/28:0w18:2 (9Z,12Z))-d_{11} ω-Linoleoyloxy-Cer(t18:0/28:0)-d_{11}, N-(28-linoleoyloxy-octacosanoyl)-Phytosphingosine-d_{11}
MF:	$C_{64}H_{112}D_{11}NO_6$
FW:	1,013.7
Chemical Purity:	≥95% (EOP (t18:0/28:0/18:2))
Deuterium Incorporation:	≥99% deuterated forms (d_1-d_{11}); ≤1% d_0
Supplied as:	A 1 mg/ml solution in dichloromethane
Storage:	-20°C
Stability:	≥1 year



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

EOP (t18:0/28:0/18:2)-d_{11} (Item name, include salt) is intended for use as an internal standard for the quantification of EOP (t18:0/28:0/18:2) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

EOP (t18:0/28:0/18:2)-d_{11} is supplied as a solution in dichloromethane. To change the solvent, simply evaporate the dichloromethane under a gentle stream of nitrogen and immediately add the solvent of choice. EOP (t18:0/28:0/18:2)-d_{11} is sparingly (1-10 mg/ml) soluble in chloroform.

Description

EOP (t18:0/28:0/18:2) is a phytoceramide composed of an ω-hydroxy very long-chain ceramide esterified to the essential fatty acid linoleic acid (Item Nos. 90150 | 90150.1 | 21909).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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