PRODUCT INFORMATION

Cayman CHEMICAL

C12 NBD L-*threo* dihydro Ceramide (d18:0/12:0)
Item No. 24441

CAS Registry No.:	474943-07-2
Formal Name:	N-[(1S,2S)-2-hydroxy-1-(hydroxymethyl)heptadecyl]-12-[(7-nitro-2,1,3-benzoxadiazol-4-yl)amino]-dodecanamide
Synonyms:	NBD L-*threo* Cer(d18:0/12:0), NBD L-*threo* Ceramide (d18:0/12:0), N-dodecanoyl-NBD L-*threo*-Dihydrosphingosine
MF:	$C_{36}H_{63}N_5O_6$
FW:	661.9
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
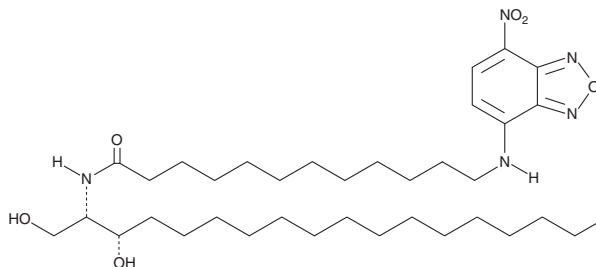
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

C12 NBD L-*threo* dihydro ceramide (d18:0/12:0) is supplied as a solid. A stock solution may be made by dissolving the C12 NBD L-*threo* dihydro ceramide (d18:0/12:0) in the solvent of choice, which should be purged with an insert gas. C12 NBD L-*threo* dihydro ceramide (d18:0/12:0) is soluble in methanol and a 2:1 solution of chloroform:methanol.

Description

C12 NBD L-*threo* dihydro ceramide is a sphingolipid that is tagged with a fluorescent C12 nitrobenzoxadiazole (C12 NBD) group. It is an isomer of C12 NBD dihydro ceramide (Item No. 10008097).