**PRODUCT INFORMATION**

**C6 NBD Phytoceramide (t18:0/6:0)**
*Item No. 24326*

**Formal Name:** 6-((7-nitrobenzo[c][1,2,5]oxadiazol-4-yl)amino)-N-((2R,3R,4R)-1,3,4-trihydroxyoctadecan-2-yl)hexanamide

**Synonyms:**
- C6 NBD Phytosphingosine (t18:0/6:0),
- N-hexanoyl-NBD Phytosphingosine,
- NBD Cer(t18:0/6:0),
- NBD Ceramide (t18:0/6:0)

**MF:** C₃₀H₅₁N₅O₇
**FW:** 593.8

**Purity:** ≥98%

**Supplied as:** A solid

**Storage:** -20°C

**Stability:** ≥2 years

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

### Laboratory Procedures

C6 NBD phytoceramide (t18:0/6:0) is supplied as a solid. A stock solution may be made by dissolving the C6 NBD phytoceramide (t18:0/6:0) in the solvent of choice. C6 NBD phytoceramide (t18:0/6:0) is soluble in the organic solvent methanol and chloroform/methanol (2:1), which should be purged with an inert gas.

### Description

C6 NBD phytoceramide is a biologically active derivative of C6 phytoceramide (Item No. 24438) that is tagged with a fluorescent C6 nitrobenzoxadiazole (C6 NBD; Item No. 18871) group. C6 NBD phytoceramide localizes to the Golgi apparatus of cultured fibroblasts and is metabolized to fluorescent sphingomyelin and glucosylceramide.

### Reference