

### **Lumiprobe Corporation**

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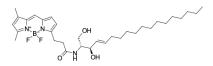
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# **BDP® FL ceramide**

http://www.lumiprobe.com/p/bdp-fl-ceramide-c3

Ceramides are precursors of sphingolipids composed of sphingosine and a fatty acid joined by an amide bond. This BDP FL ceramide is a synthetic fluorescent lipid, a conjugate of green-emitting BDP FL fluorophore with sphingosine. Inside the cell, BDP FL ceramide is incorporated into the membranes of the Golgi apparatus, so this stain is widely used in cell biology to visualize the Golgi apparatus in living and fixed cells with fluorescence microscopy.



#### Structure of BDP FL ceramide

## **General properties**

Appearance: orange semisolid

Molecular weight: 573.57

CAS number: 2730893-01-1 Molecular formula:  $C_{32}H_{50}BF_2N_3O_3$ 

Solubility: good in many organic solvents

Quality control: NMR <sup>1</sup>H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate. Avoid prolonged exposure to light.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety

and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro

diagnostic purposes, for humans or animals or for commercial purposes.

## **Spectral properties**

Excitation/absorption maximum, nm: 503  $\epsilon$ , L·mol<sup>-1</sup>·cm<sup>-1</sup>: 92000 Emission maximum, nm: 509 Fluorescence quantum yield: 0.97  $CF_{260}$ : 0.015  $CF_{280}$ : 0.027

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