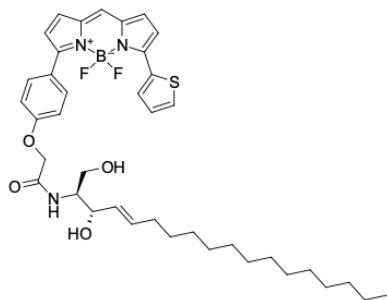


BDP TR ceramide

<http://www.lumiprobe.com/p/bdp-tr-ceramide>

Sphingolipids are amides formed from sphingosin, natural hydrophobic aminodiol, and various carboxylic acids.

This synthetic fluorescent lipid is constructed from sphingosin and BDP TR, a bright fluorescent hydrophobic dye emitting in red region of the spectrum. The lipid is incorporated into membranes of Golgi apparatus and allows to visualize them using confocal microscopy.



Structure of BDP TR ceramide

General properties

Appearance:	dark purple solid
Molecular weight:	679.69
Molecular formula:	$C_{38}H_{48}BF_2N_3O_4S$
Solubility:	good in many organic solvents
Quality control:	95+% HPLC-MS and 1H NMR
Storage conditions:	24 months after receipt at $-20^\circ C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.

Spectral properties

Excitation/absorption maximum, nm:	589
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	60000
Emission maximum, nm:	616
Fluorescence quantum yield:	0.9
CF_{260} :	0.15
CF_{280} :	0.19