

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

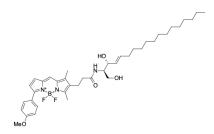
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

BDP® TMR ceramide

http://www.lumiprobe.com/p/bdp-tmr-ceramide

Ceramides are precursors of sphingolipids composed of sphingosine and a fatty acid joined by an amide bond. This BDP TMR ceramide is a synthetic fluorescent lipid, a conjugate of orange-emitting BDP TMR fluorophore with sphingosine. Inside the cell, BDP TMR 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 TMR ceramide

General properties

Appearance: red/brown semisolid

Molecular weight: 679.69

Molecular formula: $C_{39}H_{56}BF_2N_3O_4$

Solubility: good in many organic solvents

Quality control: NMR ¹H 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: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm: 542 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 55000 Emission maximum, nm: 574 Fluorescence quantum yield: 0.64 CF_{260} : 0.16 CF_{280} : 0.16

BDP® is a trademark of Lumiprobe