

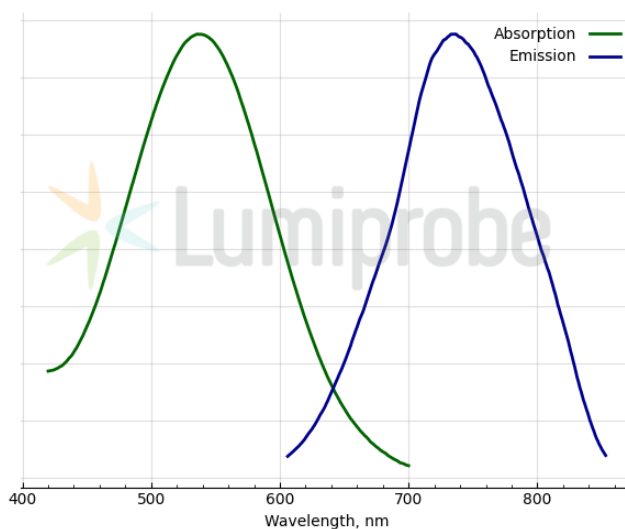
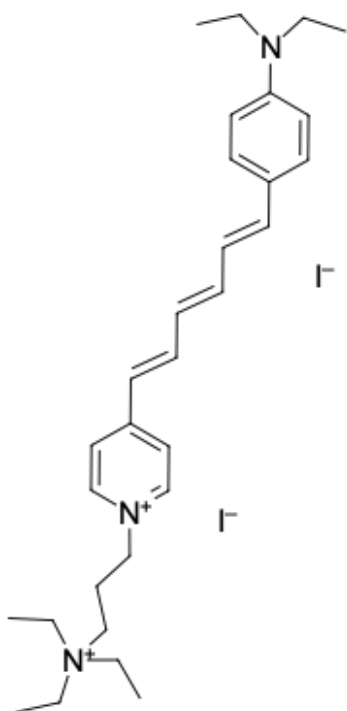
## SynaptoProbe® Red

<http://hk.lumiprobe.com/p/synaptoprobe-red-fm-4-64>

SynaptoProbe® Red is an analog of FM® 4-64, a widely used red fluorescent dye for studying synaptic activity in the synapses or neuromuscular junctions by staining synaptic vesicles.

This water-soluble and non-toxic to cells dye is nonfluorescent in an aqueous medium but becomes highly fluorescent after embedding into the outer leaflet of the cell membrane. When a neuron actively releases neurotransmitters, the dye becomes internalized within the recycled synaptic vesicles and stains the nerve terminals.

SynaptoProbe® Red can be used to visualize synaptic vesicles and their exocytosis and endocytosis in living neurons, identify actively firing neurons, and investigate the mechanisms of activity-dependent vesicle cycling. It is also helpful for the visualization of shear stress-induced plasma membrane damage in fibroblasts.



外观:

分子量: 701.51

CAS 编号: 162112-35-8 (bromide salt)

分子式:  $C_{30}H_{45}I_2N_3$

IUPAC 名称: 4-{6-[4-(diethylamino)phenyl]hexa-1,3,5-trien-1-yl}-1-[3-(triethylammonio)propyl]pyridinium diiodide

溶解度:

质量控制:

储存条件:

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試, 且未經明示或暗示授權用於其他任何用途, 包括但不限於體外診斷、人類或動物用途, 以及商業用途。

激发/吸收极 536

大值, 纳米:

发射极大值, 736

纳米: