

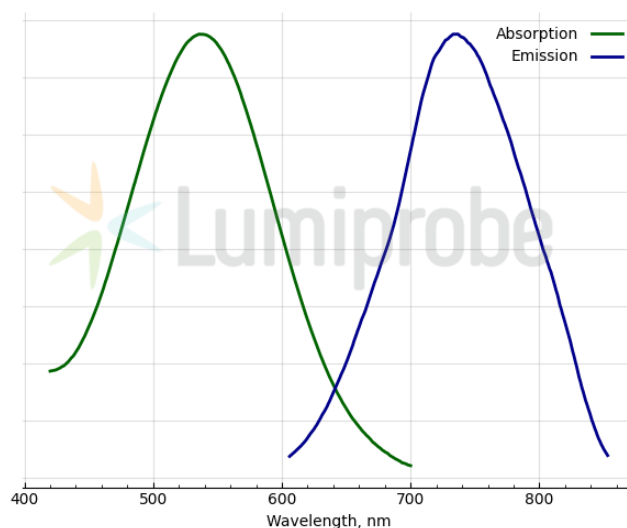
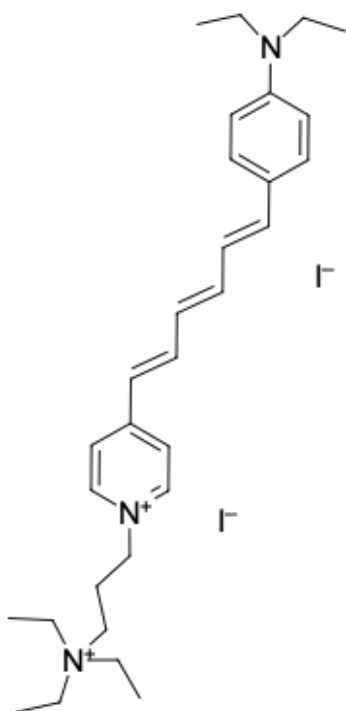
## SynaptoProbe® Red

<http://cn.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 701.51

量:

CAS 162112-35-8 (bromide salt)

编号:

分子  $C_{30}H_{45}I_2N_3$

式:

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

名称:

溶解

度:

质量

控制:

储存

条件:

法律 本产品仅供研究目的提供和销售。 本产品并未经过食品、药品、医疗器械、化妆品等领域的安全性和效力测试，且未经明示或暗示授权用于其他任何用途，包括但不限于体外诊断、人类或动物用途，以及商业用途。

激发/ 536

吸收

极大

值,

纳米:

发射 736

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