

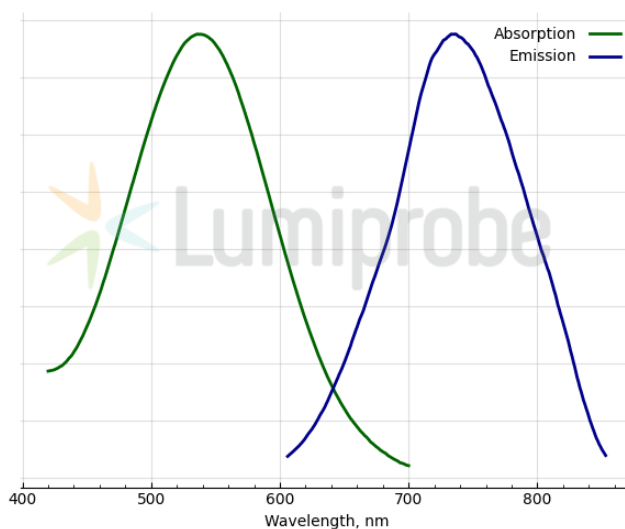
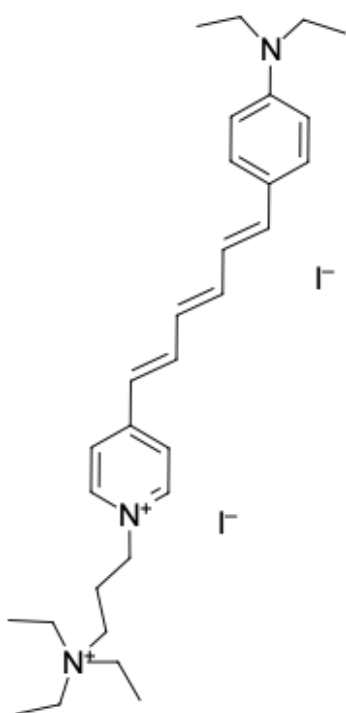
SynaptoProbe Red

<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 700.51

量:

CAS 162112-35-8 (bromide salt)

编号:

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

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发射 736

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