

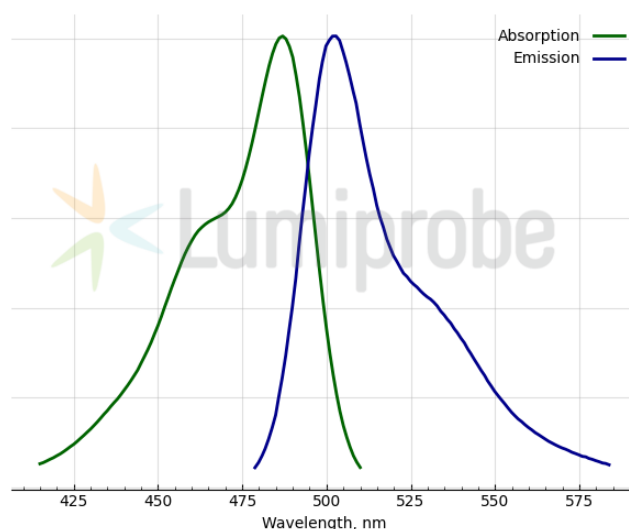
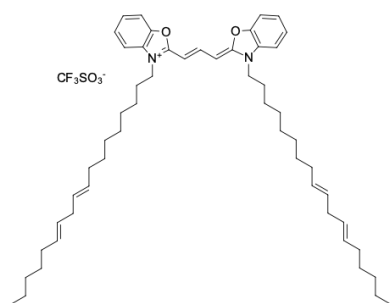
RAPID DiO, lipophilic tracer

<http://cn.lumiprobe.com/p/fast-di-o-lipophilic-tracer>

RAPID DiO (also known as FAST DiO™ and Dilinoleyl DiO) is a cyanine dye with green fluorescence, an unsaturated analog of DiO (DiOC18(3)).

RAPID DiO is a lipophilic dye that labels cell membranes by inserting its two long hydrocarbon (C18 carbon) chains into the lipid bilayer. The dye is weakly fluorescent until incorporated into membranes. RAPID DiO diffuses laterally to stain the entire cell, allowing it to be used as an anterograde and retrograde tracer of neurons. In intact tissue, the dye does not transfer from labeled to unlabeled cells, but some transfer may occur when the membrane is disrupted, for example, after sectioning. RAPID DiO has about 50% faster migration kinetics than [DiO](#).

RAPID DiO can be used with other tracers in dual-color studies, such as [RAPID Dil](#).



外观:

分子量: 923.28

分子式: $C_{54}H_{77}F_3N_2O_3S$

质量控制:

储存条件:

法律声明:

激发/吸收极大值, 纳米: 487

ϵ , 摩尔吸光系数, cm^{-1} : 166000

发射极大值, 纳米: 503

荧光量子产率: 0.1