

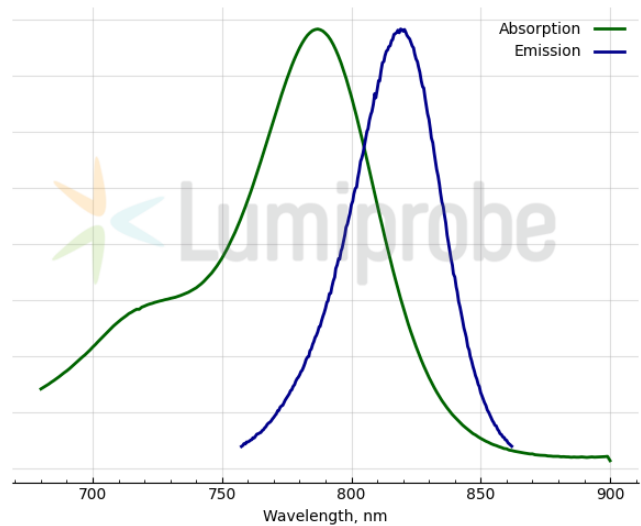
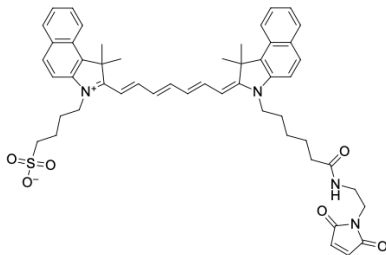
## ICG maleimide

<http://hk.lumiprobe.com/p/icg-maleimide>

Indocyanine Green (ICG, IC Green, Foxgreen) is a negatively charged tricarbocyanine dye widely used for imaging and flow cytometry due to its low toxicity and near-infrared fluorescence emission.

ICG has an absorption maximum at 787 nm with slight absorption in the visible range and a fluorescence emission maximum at 819 nm. The minimal light scattering and low autofluorescence in this spectral range result in a significantly reduced background and improved signal-to-noise ratios, thereby enhancing detection sensitivity.

ICG maleimide is a thiol-reactive dye for labeling of protein SH groups, and it can be used to attach ICG fluorophore to proteins and peptides containing cysteine residues, as well as to other thiolated molecules (such as thiol-containing oligonucleotides). Cystines should be reduced with TCEP (tris-carboxyethylphosphine) or with another appropriate reductant prior to the labeling.



外观:

分子量: 853.08

CAS 编号: 2143933-81-5

分子式:  $C_{51}H_{56}N_4O_6S$

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/吸收极大值, 纳米: 787

$\epsilon$ , 摩尔吸光系数,  $cm^{-1}$ : 232000

发射极大值, 纳米: 819

荧光量子产率: 0.09