

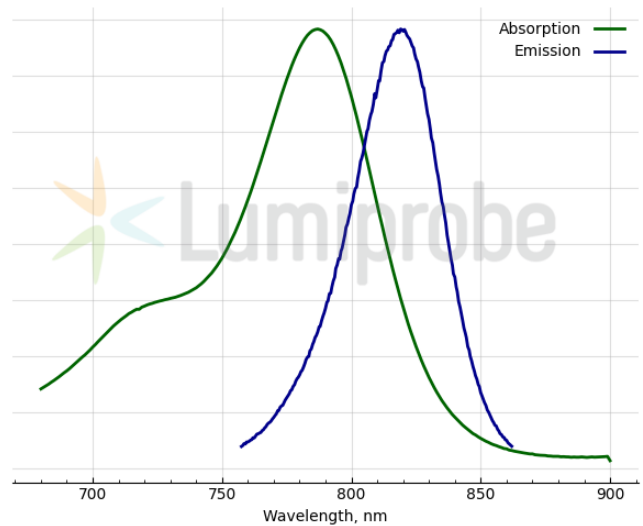
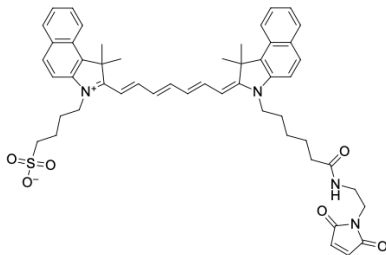
ICG maleimide

<http://cn.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 853.08

量:

CAS 2143933-81-5

编号:

分子 C₅₁H₅₆N₄O₆S

式:

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/ 787

吸收

极大

值:

纳米:

ε, 摩

尔吸

光系

数 σ_{ext}

发射 819

极大

值:

纳米:

荧光 0.09

量子

产率: