

MemBlaze® 700, near-infrared fluorescent membrane probe

<http://hk.lumiprobe.com/p/memblaze-700>

MemBlaze® 700 is a near-infrared fluorogenic plasma membrane stain, a member of the MEMBRIGHT®^[1] family, designed for rapid and selective labeling of live and fixed cell membranes. The dye is essentially non-fluorescent in aqueous solution and becomes highly fluorescent upon partitioning into the lipid bilayer, producing bright membrane staining with minimal background and eliminating the need for washing in most applications.

With excitation and emission maxima in the near-infrared region, MemBlaze® 700 is well suited for multicolor fluorescence microscopy and flow cytometry, offering excellent spectral separation from blue-, green-, and orange-emitting fluorophores. Its high photostability and rapid membrane incorporation enable imaging of plasma membrane morphology, cell-cell interactions, membrane dynamics, and vesicle trafficking in living cells.

MemBlaze® 700 is compatible with a wide range of mammalian cell types and can be used with fluorescent proteins, organelle markers, and nucleic acid stains. The far-red emission minimizes cellular autofluorescence and light scattering, making the dye advantageous for thick specimens, long-term live-cell imaging, and applications requiring high sensitivity in the near-infrared channel.

[1] Cell Chem. Biol. 2019, 26, 4, 600-614.

分子量: 1542.03

分子式: $C_{81}H_{123}F_6N_{10}O_6PS_2$

溶解度: 二甲基亞砜、二甲基甲醯胺

质量控制: NMR ¹H 和 HPLC-MS (95+%)

储存条件: 接收後24個月在黑暗中-20°C。運輸: 在室溫下最多3週。乾燥。

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。

MEMBRIGHT® 是 CNRS/UNISTRA 的商標