

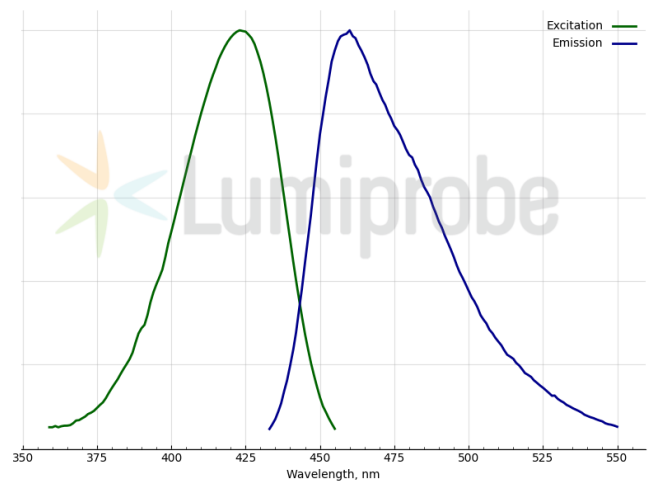
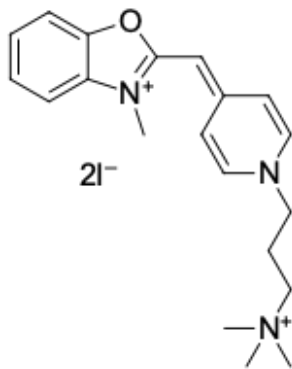
## PO-TAP-1, blue fluorescent nucleic acid stain

<http://hk.lumiprobe.com/p/po-pro-1-nucleic-acid-stain>

PO-TAP-1 (Oxazole Blue Monomer, also known as PO-PRO<sup>®</sup>-1) is a blue fluorescent carbocyanine monomeric dye. PO-TAP-1 is a cell-impermeant nucleic acid stain that is nonfluorescent in the absence of nucleic acids but exhibits a multiple fluorescence enhancement upon binding to dsDNA.

The bright fluorescence signal and low background make PO-TAP-1 ideal for staining nucleic acids on microarrays, as well as for nuclear and chromosome counterstaining in multicolor fluorescence labeling experiments.

The dye is used to detect and count cells and microorganisms, perform nucleic acid sequencing, amplification, and hybridization, and as a temperature sensor.



外观: 紅色溶液

分子量: 579.26

CAS 编号: 157199-56-9

分子式: C<sub>20</sub>H<sub>27</sub>I<sub>2</sub>N<sub>3</sub>O

IUPAC 名称: trimethyl-[3-[4-[(E)-(3-methyl-1,3-benzoxazol-2-ylidene)methyl]pyridin-1-ium-1-yl]propyl]azanium;diiodide

质量控制: NMR <sup>1</sup>H 和 HPLC-MS (95+%)

储存条件: 收到後 -20°C 避光保存 24 個月。運輸: 室溫最多可保存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。

激发/吸收极大值, 纳米: 423 (complex)

发射极大值, 纳米: 460 (complex)

PO-PRO<sup>®</sup> 是 Molecular Probes 的商標。