

Lumiprobe Corporation

201 International Circle, Suite 135 Hunt Valley, Maryland 21030

USA

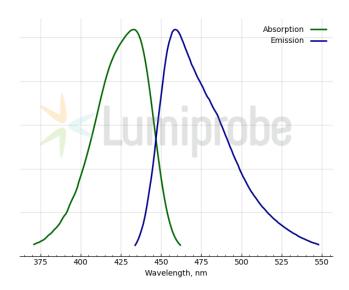
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

PODi-1, blue fluorescent nucleic acid stain

http://www.lumiprobe.com/p/podi-1-nucleic-acid-stain-popo-1

PODi-1 (Oxazole Blue Homodimer, also known as POPO®-1) is a blue fluorescent carbocyanine dimeric dye. PODi-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 PODi-1 ideal for staining nucleic acids on microarrays, as well as for nuclear and chromosome counterstaining in multicolor fluorescence labeling experiments.



Structure of PODi-1

Absorption and emission spectra of PODi-1 (DNA-dye complex)

General properties

Appearance: yellow solution

Molecular weight: 1170.54 CAS number: 169454-15-3 Molecular formula: $C_{41}H_{54}I_4N_6O_2$

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety

and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro

diagnostic purposes, for humans or animals or for commercial purposes.

Spectral properties

Excitation/absorption maximum, nm: 433 Emission maximum, nm: 458

POPO[®] is the trademark of Invitrogen.