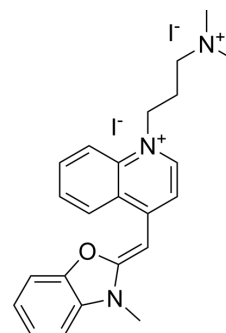


YO-PRO-1

Cat. No.:	HY-D0918
CAS No.:	152068-09-2
Molecular Formula:	C ₂₄ H ₂₉ I ₂ N ₃ O
Molecular Weight:	629.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

YO-PRO-1 (Oxazole yellow) is a carbocyanine monomer and DNA green fluorescent dye that is not permeable to normal animal cell membranes but is permeable to the cell membranes of apoptotic and necrotic cells. YO-PRO-1 is commonly used for the detection of apoptosis and necrosis. YO-PRO-1 has a high affinity for DNA and is essentially non-fluorescent when not bound to DNA. When apoptosis occurs, the permeability of the cell membrane changes. YO-PRO-1 can enter apoptotic cells and bind to DNA and emit bright green fluorescence. Therefore, YO-PRO-1 is often used together with propidium iodide (PI) to analyze and identify apoptotic and necrotic cells.

Caution: Product has not been fully validated for medical applications. For research use only.

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