

Product Information

YO-PRO-1 Iodide, 1mM in DMSO

Catalog Number: Y4077

Product Size: 1 mL

Application Scope: Nucleic acid staining

Parameters

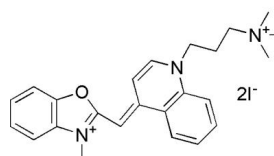
Ex/Em (With DNA): 491/509 nm

CAS NO.: 152068-09-2

Molecular Formula: C₂₄H₂₉I₂N₃O

Molecular Weight: 629.32

Molecular Structure:



Storage

Store at -20°C and protect from light. When stored as directed, product is stable for at least 12 months.

Description

YO-PRO-1 Iodide also called Oxazole yellow, is a green-fluorescent, cell-impermeant nucleic acid stain that can

be used as a early marker of apoptosis. It is essentially nonfluorescent in the absence of nucleic acids but exhibits fluorescent when bound to nucleic acids. YO-PRO-1 Iodide is also used to identify apoptotic cells. Early apoptotic cells become permeant to YO-PRO-1 Iodide, but remain impermeant to propidiumiodide (P4034), a dead cell stain. These two dyes are used in combination to distinguish early apoptotic and late apoptotic cells. Therefore, Y6077 YO-PRO-1 Iodide and PI Membrane Permeability Apoptosis Detection Kit, which is used to distinguish early apoptotic and late apoptotic cells. For details, please refer to the website: www.useverbright.com.

Notes

1. There are quenching problems with fluorescent dyes. Please avoid light to slow down the fluorescence quenching.
2. For your safety and health, please wear lab coats and disposable gloves.

