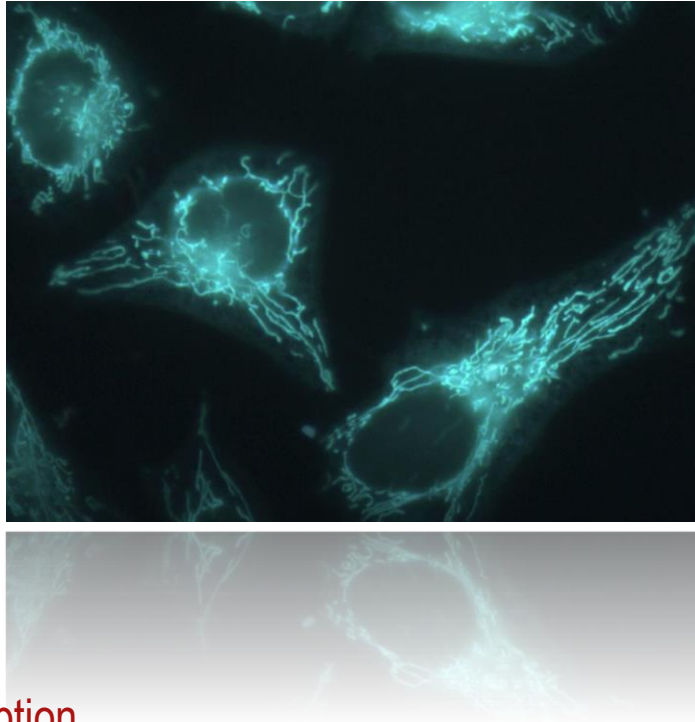


Product Specification

AIE™ Mitochondria Green



Product Description

- The product can target and illuminate mitochondria.
- The product can be used for quick cell imaging as well as fixed localized imaging.
- The product can serve as a photosensitizer to generate reactive oxygen species (ROS) to induce cell apoptosis, which can be used for photodynamic therapy.

Demonstrations

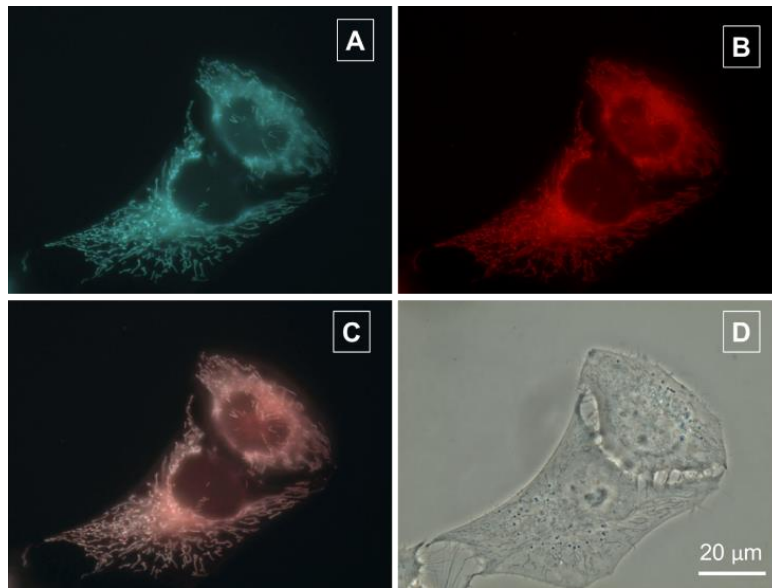


Figure 1. Fluorescent images of HeLa cells stained with (A) AIE™ Mitochondria Green (200 nM) for 15 min and (B) MitoTracker Red (50 nM) for 15 min. (C) Panels A and B merged. (D) The corresponding bright field image. Excitation wavelength: 320-385 nm (for AIE™ Mitochondria Green) and 540-580 nm (for MitoTracker Red).

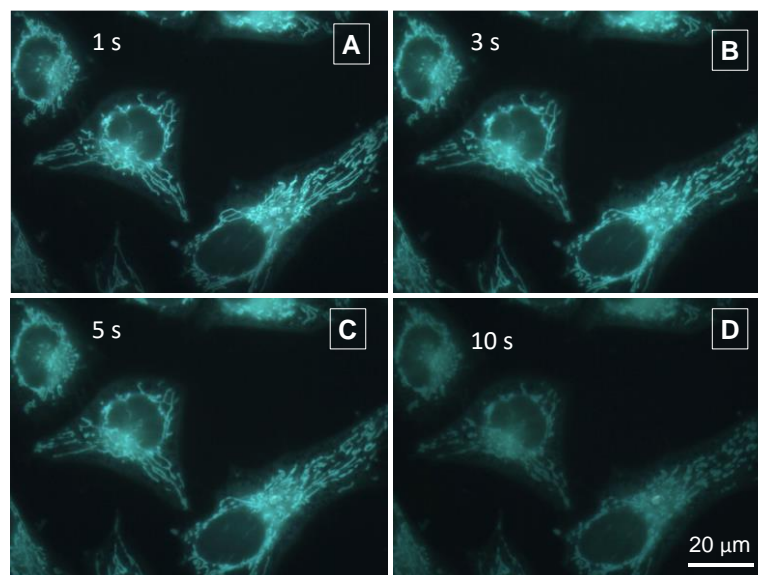


Figure 2. Fluorescent images of HeLa cells stained with AIE™ Mitochondria Green (500 nM) for 10 min and exposed to UV irradiation with different durations: (A) 1 s; (B) 3 s; (C) 5 s; (D) 10 s. Excitation wavelength: 330-385 nm.

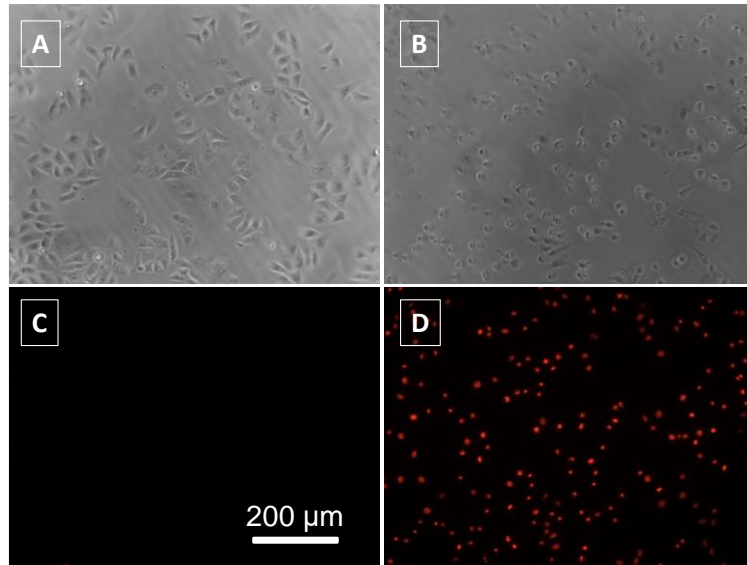


Figure 3. (A, B) Bright field and (C, D) fluorescence images of propidium iodide stained HeLa cells. After incubation with product for 15 min, the cells were treated (A, C) without/ (B, D) with UV irradiation for 2 min, followed by further incubation with product for 12 h in the dark.

Recommended storage condition

Store away from sunlight at 2-8 °C

Product parameters

Purpose	Mitochondria staining and induce cell apoptosis
Color:	Yellow powder
Imaging platform:	Fluorescence microscope Confocal microscope
Pack size and quantity:	10 μmol
Detection method:	Fluorescence
Excitation/Emission (nm):	355 ± 25 / 500 ± 30
Recommended transport condition:	Room temperature
Product declaration:	Only used for research. Do not apply to any detection procedure.