PDMPO

Cat: IP7110

Storage: Powder: -20℃, 2 years; Insolvent (mother liquid): -20℃, 6 months; -80℃, 1 year (protect from light)

Introduction

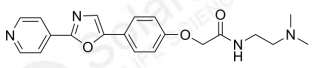
The pH fluorescent probe PDMPO is a fluorescent probe for pH detection of acidic organelles (e.g. lysosomes) that exhibits as an acidic dual excitation and dual emission pH probe, emitting an intense yellow fluorescence at lower pH and producing an intense blue fluorescence at higher pH. This unique pH-dependent fluorescence makes PDMPO an ideal pH probe for acidic organelles. PDMPO selectively labels acidic organelles (e.g. lysosomes) in living cells and the two distinct emission peaks can be used to monitor pH fluctuations in living cells during ratiometric measurements. PDMPO is an effective tool for the study of acidic organelles in living cells.

Parameter

Ex/Em: 333/531nm

Molecular Formula: $C_{20}H_{22}N_4O$

Molecular Weight: 366.41



Appearance: Solid

Solubility: Soluble in DMSO

Application: For flow cytometry, the UV laser excites PDMPO well at 405 nm.

Note

1. All fluorescent dyes have quenching problems, please try to avoid light to slow down the fluorescence quenching.
2. For your safety and health, please wear lab coat and disposable gloves.
3. This product is for scientific research use only. Do not use in medicine, clinical diagnosis or treatment, food and cosmetics. Do not store in ordinary residential areas.

Related Products

IP7120 PDMPO SE

IF1830 Lyso-Tracker Deep Red

IF1840 Lyso-Tracker Red

IF1850 Lyso-Tracker Green