

5(6)-Carboxy-2',7'-dichlorofluorescein diacetate

Cat. No. CSUB-0702

Lot. No. (See product label)

Introduction

Description 5(6)-Carboxy-2',7'-dichlorofluorescein diacetate is an amine-reactive fluorescein diacetate (FDA) derivative used to prepare a variety of FDA conjugates. It is a non-fluorescent molecule that diffuses into cells and is hydrolyzed by intracellular non-specific esterases, yielding a fluorescent probe. The probe accumulates exclusively in cells with intact cell membranes. 5(6)-Carboxy-2',7'-dichlorofluorescein diacetate does not stain dead cells but it can be used for monitoring cells by flow cytometry or fluorescence microscopy. The probe is also frequently used to monitor reactive oxygen species (ROS) generation in live cells.

Applications A fluorescent substrate and probe

Synonyms 5(6)-CDCFDA

Product Information

Form Solid

CAS No. 127770-45-0

Molecular Formula C₂₅H₁₄Cl₂O₉

Molecular Weight 529.28

Purity >98%

Melting Point 210 °C

Substrates Esterase

Storage and Shipping Information

Storage Store at -20° C