Creative Enzymes®

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