

Dihydrofluorescein diacetate

Cat. No. DYE-168 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description

Dihydrofluorescein diacetate is a chemical used for intracellular staining. Dihydrofluorescein diacetate might be reactive toward a broad range of oxidizing reactions that may be increased during intracellular oxidant stress. Cell-loading studies indicate that dihydrofluorescein achieves higher intracellular concentrations than the other redox sensors such as 2',7'-dichlorodihydrofluorescein (sc-477276) and Dihydrorhodamine 123 (sc-203027). Dihydrofluorescein diacetate is first hydrolyzed by cellular esterases to dihydrofluorescein and is then oxidized to fluorescein primarily by hydrogen peroxide (sc-203336).

CAS number

35340-49-9

Molecular Mass

418.4

Formula

C₂₄H₁₈O₇

Ex(nm)

494

Em(nm)

521

Solvent

DMSO

Storage

Store at -20°C in the dark. Dessicated.

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