

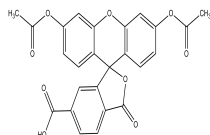
Product: 6-CFDA

ALTERNATE NAME: 6-Carboxyfluorescein diacetate

CATALOG #: 2758-25, 100

AMOUNT: 25 mg, 100 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₁₆O₉

MOLECULAR WEIGHT: 460.39

CAS NUMBER: 3348-03-6

APPEARANCE: White to yellow solid

SOLUBILITY: DMF or DMSO

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: 6-CFDA has been used to differentiate viable cells from apoptotic cells. Live cells that are not apoptotic accumulate 6-carboxyfluorescein but do not accumulate annexin. CFDA enters cells and is hydrolyzed more slowly than FDA. CFDA and FDA hydrolysis obey Michaelis-Menten kinetics with Km values of around 19 and 2 μM, respectively.

REFERENCE: Dive, C., *et al.* (1998). *Mol. Cell. Probes* **2**, 131

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Cell-Mediated Cytotoxicity Fluorometric Assay Kit (7-AAD/CFSE) (Cat. No. K315-100)

5-CFDA (Cat. No. 2757-25, 100)

FOR RESEARCH USE ONLY! Not to be used on humans.