

Product Information

H₂DCFDA (DCFH-DA) [2',7'-dichlorodihydrofluorescein diacetate]

Catalog Number: D1002

Packaging Size: 50 mg

Product Description

Color & Form & Solubility: White solid soluble in DMSO or DMF

CAS number: 4091-99-0

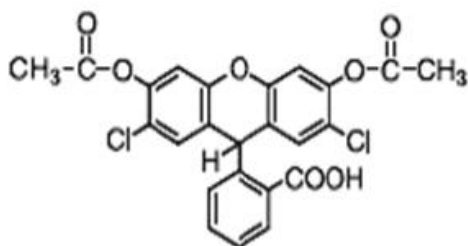
Shelf life: 12 months

λ Ex/ λ Em (pH>6) = 504/529 nm

Molecular formula: C₂₄H₁₆Cl₂O₇

Molecular weight: 487.29

Molecular Structural Formula:



Storage

Store desiccated at -20°C and protect from light

Description

H₂DCFDA is a useful fluorogenic reagent to detect reactive oxygen intermediates in cells. On oxidation, H₂DCFDA turns to 2',7'-dichlorofluorescein with highly green fluorescent.

Notes

1. Prior to the start of the experiment, the product should be stored in high concentration and kept sealed.
2. In the experiment, the product was added to simple physiological buffers such as preheated PBS, HBSS or HEPES, and the recommended working concentration was 1-10 mM.

