

Product Information

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

Catalog Number: D1002

Product Size: 50 mg

Parameters

Appearance: White solid soluble in DMSO or DMF

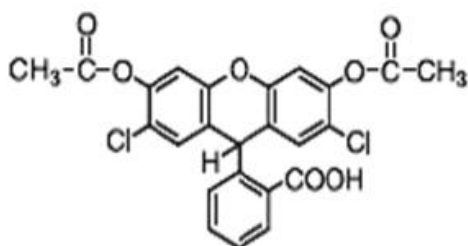
λ Ex/ λ Em (pH>6) = 504/529 nm

CAS No.: 4091-99-0

Molecular Formula: C₂₄H₁₆Cl₂O₇

Molecular Weight: 487.29

Molecular Structural:



Storage

Store at -20°C and protect from light. When stored as directed, product is stable for at least 12 months.

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.

