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CDCFDA

5-(and-6)-Carboxy-2',7'-dichlorofluorescein diacetate is membrane-permeant and thus can be loaded into cells via incubation. The diacetate is readily hydrolyzed to 5-(and-6)-carboxy-2',7'-dichlorofluorescein (51015) by intracellular esterases.



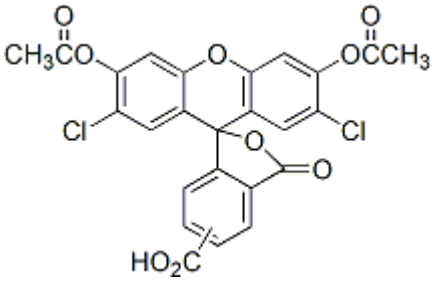
Product attributes

CAS number	127770-45-0
Cell permeability	Membrane permeant
Probe cellular localization	Fluid phase tracer
pKa	pKa 4.8
Indicator type	Ratiometric
Colors	Green
Excitation/Emission	504/529 nm (end product)

Product Description

5-(and-6)-Carboxy-2′,7′-dichlorofluorescein diacetate (CDCFDA) is membrane-permeant and thus can be loaded into cells via incubation. The diacetate is readily hydrolyzed to 5-(and-6)-carboxy-2′,7′-dichlorofluorescein (51015) by intracellular esterases.

- White solid soluble in DMSO
- Store at 4 °C and protect from light, especially in solution
- $C_{25}H_{14}Cl_2O_9$
- MW: 529
- [127770-45-0]



References

1. J Cell Biol 111, 877 (1990).

2. Biochemistry 26, 6330 (1987).

3. Biochim Biophys Acta 985,

75 (1989).

4. Anal Biochem 187, 109 (1990).

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