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5-CFDA (5-Carboxyfluorescein diacetate, single isomer)



5-CFDA is membrane-permeant and thus can be loaded into cells via incubation. Once inside cells, 5-CFDA is hydrolyzed by intracellular esterases to 5-carboxyfluorescein (see 50015).

Product attributes

CAS number	79955-27-4
Cell permeability	Membrane permeant
Probe cellular localization	Nucleus & cytoplasm
pKa	pKa 6.5
Indicator type	Ratiometric
Colors	Green
Excitation/Emission	495/519 nm (pH 9) (after hydrolysis)

Product Description

5-CFDA is membrane-permeant and thus can be loaded into cells via incubation. Once inside cells, 5-CFDA is hydrolyzed by intracellular esterases to 5-carboxyfluorescein (see 50015).

- Off-white solid soluble in DMSO
- Store desiccated at -20°C
- $C_{25}H_{16}O_9$
- MW: 460
- [79955-27-4]

References

1. J Cell Sci 98, 343(1991).
2. Nature 295, 524 (1982).
3. J Immunol Meth 100, 261 (1987).
4. J Immunol Meth 33, 33 (1980).

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