

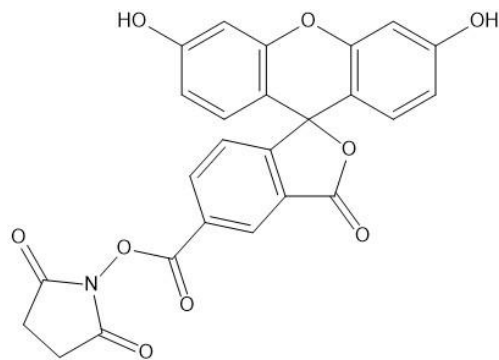
## CFSE, Cellular proliferation probe

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Catalog	Unit
TBI5164-10MG	10 mg
TBI5164-50MG	50 mg

### Product Details

**Formal Name:** 5-Carboxyfluorescein N-succinimidyl ester  
**Alternate Names:** 5-Carboxyfluorescein NHS ester; 5-FAM-SE  
**Molecular Formula:** C<sub>25</sub>H<sub>15</sub>NO<sub>9</sub>  
**Formula Weight:** 473.3  
**CAS Number:** 92557-80-7  
**Purity:** >97%  
**Formulation:** Powder  
**Solubility:** Soluble in DMSO (35 mg/ml)  
**Storage:** -20°C  
**Stability:** ≥ 2 years.



### Applications

Cellular proliferation probe

### Functions

Fluorophore that can diffuse into cells and covalently react with intracellular proteins via its activated carboxy group and thus be retained in the cell for long periods of time. CFSE fluorescence can be used to analyze cell proliferation, track cell migration and in applications such as flow cytometry. Excitation/emission max: 491 and 518 nm.

### Application Procedures

First dissolved in DMSO (35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**