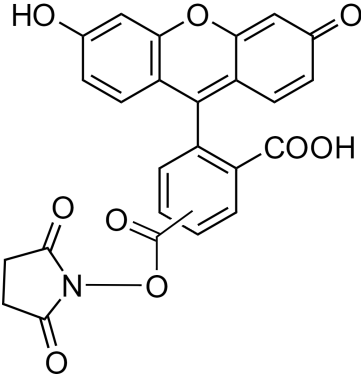
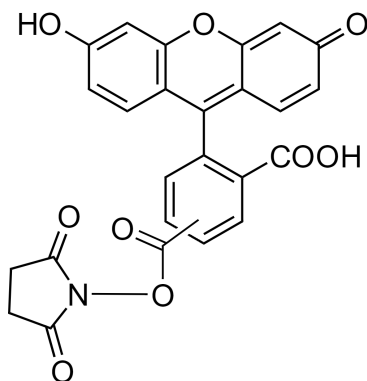


5(6)-FAM, SE [5-(and-6)-Carboxyfluorescein, succinimidyl ester] *CAS 117548-22-8*Catalog number: 110, 111, 112
Unit size: 25 mg, 100 mg, 1 g**Product Details**

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Red solid
Molecular Weight	473.39
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	493 nm
Emission Wavelength	517 nm

Applications

Carboxyfluorescein (commonly called FAM) and its amine-reactive succinimidyl esters are favored over FITC in bioconjugations. FAM reagents give carboxamides that are more resistant to hydrolysis. In addition, FAM reagents require less stringent conjugation conditions and give better conjugation yields, and the resulted conjugates have superior stability. FITC-labeled nucleotides and peptides tend to deteriorate more quickly than the corresponding FAM conjugates. We found that FAM reagents can be used to substitute FITC reagents in most biological applications.