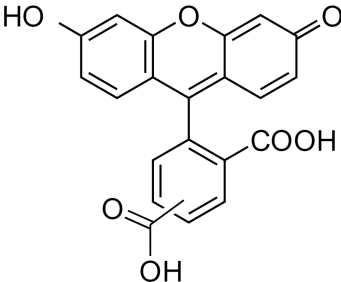


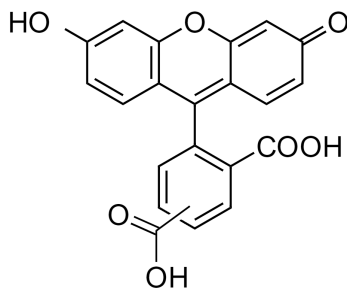
## Product Information Sheet

### Ordering Information

Product Number:	100
Product Name:	5(6)-FAM [5-(and-6)-Carboxyfluorescein] *CAS 72088-94-9*
Unit Size:	1 g
Storage Conditions:	Freeze (<-15 °C), Desiccated, Avoid Light
Expiration Date:	12 months upon receiving

### Chemical and Spectral Properties

Appearance:	Solid
Molecular Weight:	376.32
Chemical Structure:	



Soluble In:	DMSO
Excitation Wavelength:	494
Emission Wavelength:	519

### Application Notes

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.