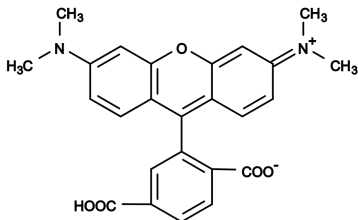
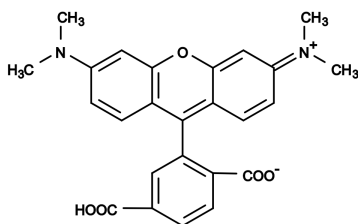


**6-TAMRA**  
**[6-Carboxytetramethylrhodamine] \*CAS**  
**91809-67-5\***Catalog number: 366, 367, 368  
Unit size: 10 mg, 100 mg, 1 g**Product Details**

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

**Chemical Properties**

Appearance	Dark red solid
Molecular Weight	430.45
Soluble In	DMSO
Chemical Structure	

**Spectral Properties**

Excitation Wavelength	552 nm
Emission Wavelength	578 nm

**Applications**

6-TAMRA is the purified single isomer of 5(6)-TAMRA. It is widely used to label nucleotides and nucleic acids. It is preferred for some complicated biological applications where reproducibility is more critical than material cost since the minor positional difference between 5-TAMRA and 6-TAMRA might affect some biological properties of the underlying conjugates. Currently AAT Bioquest is using a proprietary process to synthesize isomer-free 6-TAMRA without the conventional chromatographic purification.