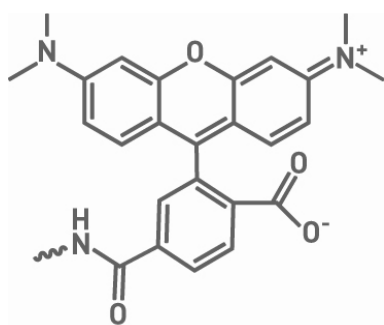


TAMRA™ NHS Ester

Structure



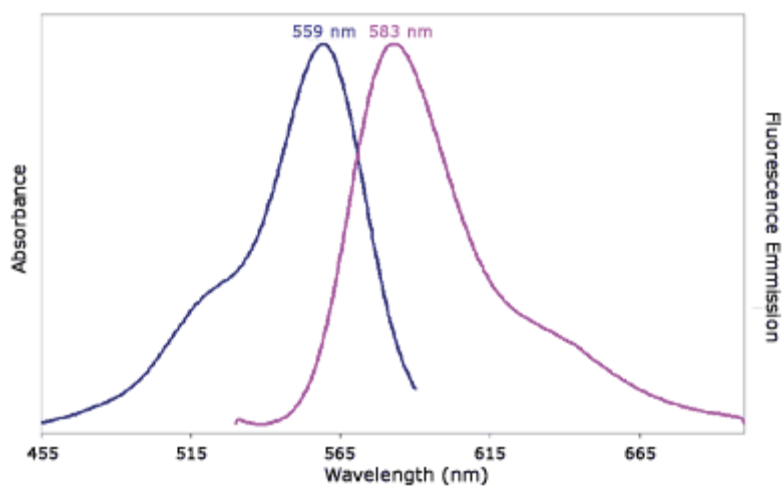
Key data

Ab_{max} 559 nm Em_{max} 583 nm

Extinction Coef (260 nm): 29,100
Extinction Coef (at absorbance max): 91,000

5' Mw: 591,6 g/mol
3' Mw: 1008,9 g/mol

Spectra



With permission from IDT

Properties

TAMRA™ is carboxytetramethylrhodamine. It is available as an NHS ester and can be attached to an amino-modified oligonucleotide. It can also be directly incorporated onto the 3'-end of an oligo at the time of synthesis. It can be used both as a reporter dye and as a quencher with fluorescein in dual-labeled probes. The quantum yield of free TAMRA is measured to 0.2 in pH 9.0 phosphate buffer.

