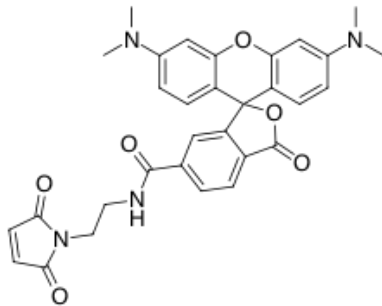


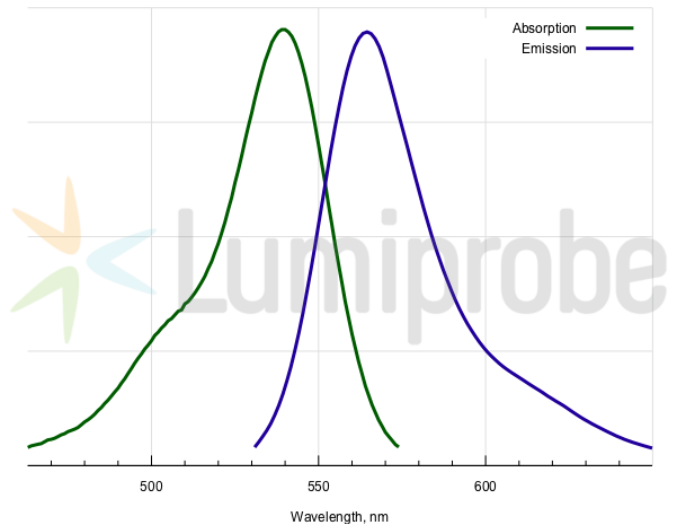
## TAMRA maleimide, 6-isomer

<http://de.lumiprobe.com/p/tamra-maleimide-6>

TAMRA (also known as TMR or tetramethylrhodamine) is a xanthene dye that has been used as a fluorescent label for decades. Xanthene dyes are available as two isomers (called 5- and 6-isomers) that have almost identical fluorescent properties, but need to be separated to avoid doubling and smearing of labeled product peaks or bands during chromatography or electrophoresis. This is a pure 6-isomer of TAMRA maleimide, used for the labeling of proteins and peptides via thiol (SH) groups.



Struktur von 6-TAMRA-maleimid



Absorptions- und Emissionsspektren von 6-TAMRA

### Allgemeine Eigenschaften

Erscheinungsform:

Gewichtsspezifisches M<sup>+</sup>-Inkrement: 551.2

Molekülmasse: 552.58

Molekülformel: C<sub>31</sub>H<sub>28</sub>N<sub>4</sub>O<sub>6</sub>

Löslichkeit:

Qualitätskontrolle: NMR <sup>1</sup>H, HPLC-MS (95%)

Lagerungsbedingungen: Lagerung: 12 Monate nach Wareneingang bei -20 °C im Dunkeln. Transport: bei Raumtemperatur bis zu drei Wochen. Längere Lichteinwirkung vermeiden. Trocken lagern.

TN VED Code: 3204190000

### Spektrale Eigenschaften

Anregungsmaximum / nm: 541

ε / L·mol<sup>-1</sup>·cm<sup>-1</sup>: 84000

Emissionsmaximum / nm: 567

Fluoreszenz-Quantenausbeute: 0.1

CF<sub>260</sub>: 0.32

CF<sub>280</sub>: 0.19