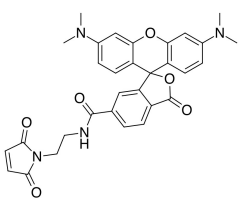
TAMRA maleimide, 6-isomer (A270323)

Specifications:

Name:	TAMRA maleimide, 6-isomer
Description:	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.
Absorption Maxima:	541 nm
Extinction Coefficient:	84000 M-1cm-1
Emission Maxima:	567 nm
Fluorescence Quantum Yield:	0.1
CF_{260} :	0.32
CF_{280} :	0.19
Mass Spec M+ Shift after Conjugation:	551.2
Purity:	95% (by 1H NMR and HPLC-MS).
Molecular Formula:	C31H28N4O6
Molecular Weight:	552.58 kDa
Product Form:	Dark colored solid.
Solubility:	Good in DMSO and DMF.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



Structure of 6-TAMRA maleimide.

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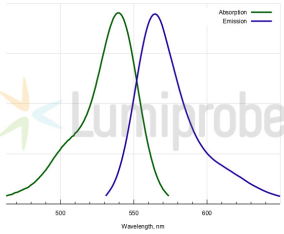
Images continued:



Absorption and emission spectra of 6-TAMRA.