



and excellent brightness of MB 680R make the dye an ideal choice for confocal microscopy and other demanding applications.

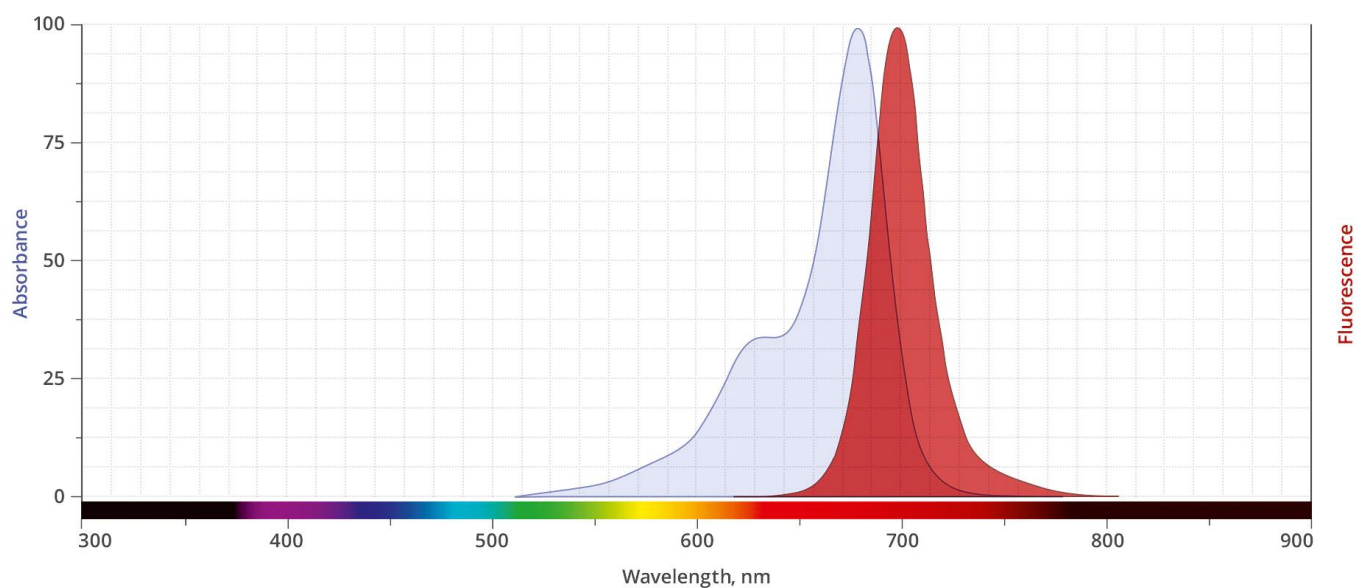
TFP (tetrafluorophenyl) ester is an amine-reactive activated ester that reacts with primary amines of biomolecules in the same way as the succinimidyl ester (SE or NHS-ester) to form a stable amide bond. The major advantage of TFP esters over the succinimidyl ester is better resistance to spontaneous hydrolysis during conjugation reactions, which results in more efficient and reproducible labeling of biopolymers. TFP esters are stable for several hours at the basic pH typically used for reactions—far outlasting succinimidyl esters.

SPECIFICATIONS

Molecular Weight	889.90 (protonated)
Extinction Coefficient	135,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amine
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 680, CF® 680R
Excitation/Emission Maximum	685/709 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

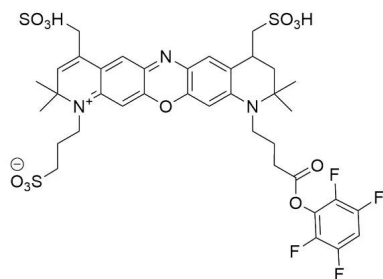
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DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

GALLERY IMAGES



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