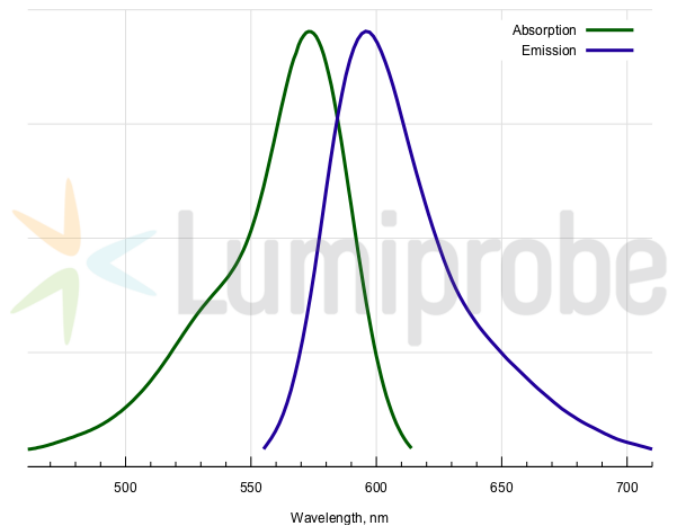
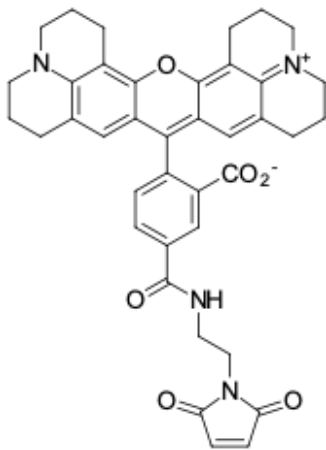


ROX maleimide, 5-isomer

<http://de.lumiprobe.com/p/rox-maleimide-5>

ROX is a bright rhodamine dye with emission maximum around 580 nm. It is widely used for the labeling of biomolecules. As other rhodamine dyes, it comes as two isomers, 5-ROX and 6-ROX. Although these isomers have almost identical spectral properties, they need to be separated to avoid doubling of labeled products on HPLC or electrophoresis.

This derivative contains thiol-reactive maleimide moiety for the attachment of ROX fluorophore to SH groups, such as cystein residues in proteins and peptides.



Allgemeine Eigenschaften

Erscheinungsform:

Gewichtsspezifisches M⁺-Inkrement: 656.3

Molekülmasse: 656.73

Molekülformel: C₃₉H₃₆N₄O₆

Löslichkeit:

Qualitätskontrolle: NMR ¹H, 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.

Spektrale Eigenschaften

Anregungs-/Absorptionsmaximum / nm: 570

ε / L·mol⁻¹·cm⁻¹: 93000

Emissionsmaximum / nm: 591

Fluoreszenz-Quantenausbeute: 1.00

CF₂₆₀: 0.62

CF₂₈₀: 0.49