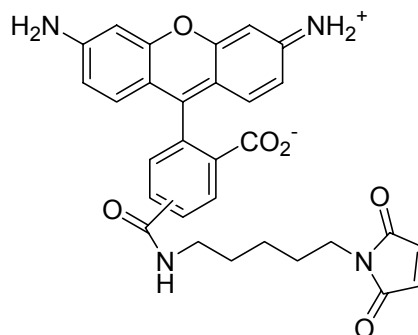


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: 5(6)-Carboxyrhodamine 110-C5-maleimide

CATALOG # 91029

MOLECULAR INFORMATION: C₃₁H₃₀N₄O₆
MW: 554.59



PROPERTIES:

Color & Form	Orange red solid
Purity	≥ 90% by TLC (the remaining is the inactive Carboxyrhodamine 110 free acid)
Solubility	Soluble in anhydrous DMF or DMSO
Absorption/Emission	502/524 nm
Extinction Coefficient	75,000

STORAGE AND HANDLING: Store desiccated at -20 °C and protect from light.

APPLICATION: 5(6)-CR110-C5-maleimide is a maleimide derivative of the green fluorescent dye carboxyrhodamine 110. The dye has spectral properties (absorption/emission (MeOH) = 502/524 nm) similar to those of fluorescein (fluorescein-5-maleimide, for example), but the photostability of the dye is among the best of all green fluorescent dyes. Thus, the dye is a superior green fluorescent dye for labeling thiols.

TOXICITY: Unknown

FIRST AID:	Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.
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