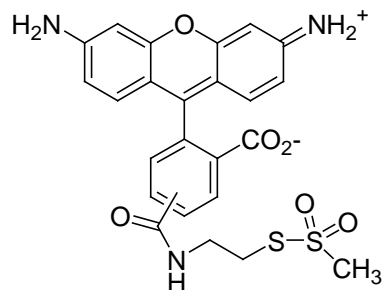


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** MTS-CR110 (MTS-5-(and-6)-carboxyrhodamine 110, mixed isomers)**CATALOG #** 91035**MOLECULAR INFORMATION:** C<sub>24</sub>H<sub>21</sub>N<sub>3</sub>O<sub>6</sub>S<sub>2</sub>  
MWt: 511**PROPERTIES:**

**Color & Form** Orange solid  
**Purity** > 90% by TLC (< 10% unreactive inert material)  
**Solubility** DMF or DMSO  
**Absorption/Emission** 502/524 nm (MeOH)  
**Extinction Coefficient**

**STORAGE AND HANDLING:** Store at -20 °C and protect from light**APPLICATION:** MTS-CR110 is a green fluorescent thiol-reactive dye. CR110 (5-(and-6)-carboxyrhodamine 110) has absorption and emission spectra (502/524 nm) similar to those of fluorescein (495/519 nm) but its photostability is far better than that of the latter. Thus, MTS-CR110 is a superior green fluorescent dye for labeling thiols.**TOXICITY:** Not established. Not listed by NTP, IARC or OSHA.

<b>FIRST AID:</b>	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.
-------------------	---

<b>Disclaimer:</b> <i>Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.</i>
--