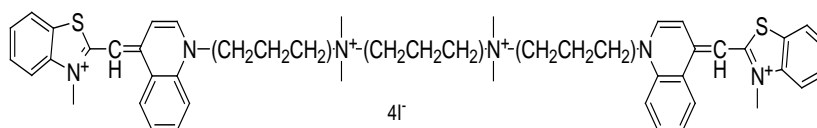


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** Thiazole Orange Homodimer, 1 mM in DMSO**CATALOG #** 40079**MOLECULAR INFORMATION:** C<sub>49</sub>H<sub>58</sub>I<sub>4</sub>N<sub>6</sub>S<sub>2</sub>  
MWt: 1303**PROPERTIES:****Color & Form** Orange solution  
**Absorption/Emission** 520/541nm (DNA-bound)**STORAGE AND HANDLING:** Stored desiccated at 4 °C and protect from light**APPLICATION:** Thiazole orange homodimer (TOhD), also known as TOTO-1, is a cell-impermeant, high-affinity nucleic acid stain based upon a symmetric cyanine dye dimer that is essentially nonfluorescent in the absence of nucleic acids that exhibits excitation/emission maxima ~520/541 nm when bound to nucleic acids.**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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