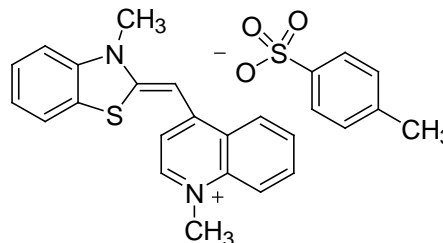


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Thiazole Orange, 10mM in DMSO**CATALOG NUMBER:** 40077**MOLECULAR INFORMATION:** C₂₆H₂₄N₂O₃S₂
Mwt: 476.61**PROPERTIES:****Color & Form** Orange solution
Purity ≥ 95% by HPLC
λ_{ex}/λ_{em} 512/533nm (with DNA)**STORAGE AND HANDLING:** Store at 4 °C and protect from light.**APPLICATION:** Thiazole orange (TO) is commonly used in reticulocyte analysis to stain residual RNA of blood cells¹, to stain DNA in agarose gels² and capillary electrophoresis³.Ref.: 1) *Cytometry* **7**, 508-517 (1986)
2) *Nucleic Acids Res.* **19**, 327-333 (1990)
3) *Anal. Chem.* **66**, 1941-1948 (1994)**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.**Disclaimer:** 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.