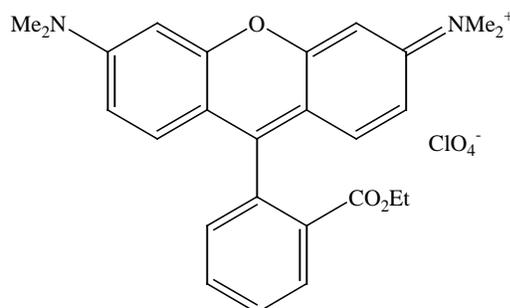


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: TMRE, 2mM in DMSO**CATALOG NUMBER:** 70005**MOLECULAR INFORMATION:** C₂₆H₂₇ClN₂O₇
Mwt: 515**PROPERTIES:**

| | |
|-----------------------------|---------------|
| Color & Form | Red solution |
| Purity | ≥ 95% by HPLC |
| $\lambda_{ex}/\lambda_{em}$ | 549/574nm |

STORAGE AND HANDLING: Store at 4 °C and protect from light.**APPLICATION:** TMRE (Tetramethylrhodamine ethyl ester, perchlorate) and TMRM (**70017**) are preferred dyes for quantitative measurements of membrane potentials using the Nernst equation. TMRE has been used to separate viable and non-apoptotic cells from cell sorting samples (1). TMRE staining is reversible and does not affect cell proliferation and viability. TMRE is also available in solid form (**70016**).Ref.: 1) *J Histochem Cytochem* doi: 10.1369/0022155413520404**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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