

Product Name	: TMRE
Synonyms	: Tetramethylrhodamine ethyl ester perchlorate
Cat No.	: M23333
CAS Number	: 115532-52-0
Molecular Formula	: C ₂₆ H ₂₇ ClN ₂ O ₇
Formula Weight	: 515.0
Chemical Name	: —
Description	: TMRE is a mitochondria specific dye (λ _{ex} : 550 nm, λ _{em} : 575 nm).
Pathway	: Others
Target	: Other Targets
Receptor	: Others
Solubility	: DMSO:27.78 mg/mL (53.95 mM; Need ultrasonic)
SMILES	: <chem>O=C(C1=CC=CC=C1C2=C3C=CC(N(C)C)=CC3=[O+])C4=C2C=CC(N(C)C)=C4)OCC.O=Cl(=O)([O-])=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Crowley LC, et al. Measuring Mitochondrial Transmembrane Potential by TMRE Staining. Cold Spring Harb Protoc. 2016 Dec 1;2016(12):pdb.prot087361.