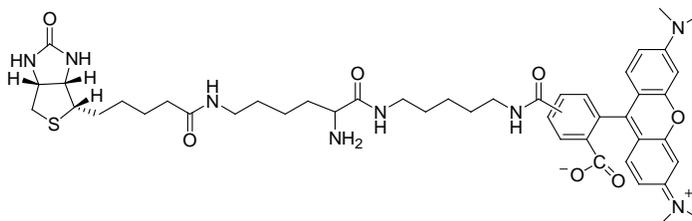


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: TMR Biotin**CATALOG #** 92003**MOLECULAR INFORMATION:** C₄₆H₈₂N₈O₇S
MWt: 871**PROPERTIES:****Color & Form** Dark Red solid
Solubility Soluble in DMF or DMSO
Absorption / Emission 544 / 571 nm**STORAGE AND HANDLING:** Store at -20°C**APPLICATION:**

TMR biocytin is a cell-impermeant, fixable polar tracer that combines the tetramethylrhodamine (TAMRA) with biotin and an aldehyde-fixable primary amine. Polar tracers are commonly used to investigate cell-cell and cell-liposome fusion as well as membrane permeability and transport through gap junctions or cell uptake during pinocytosis.

TMR biocytin proved to be an effective neuronal tracer in live tissue when applied by electroporation¹.

Ref.: 1) *Journal of Neuroscience Methods* (2015), <http://dx.doi.org/doi:10.1016/j.jneumeth.2015.06.005>

TOXICITY: Not established. Not listed by NTP, IARC or OSHA.**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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