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5(6)-TAMRA, SE [5-(and-6)-Carboxy-tetramethylrhodamine, succinimidyl ester]

| Catalog Number | Packaging Size |
|----------------|----------------|
| C138 | 25 mg |

Storage upon receipt: -20°C, protect from light

Introduction

Tetramethylrhodamine (TMR) is an important fluorophore for preparing protein conjugates. 5-(and-6)-Carboxytetramethylrhodamine, succinimidyl ester is the amine-reactive, mixed isomer form of TAMRA.

Specifications

| | | |
|----------------------------|---|--|
| Label: | Tetramethylrhodamine | |
| Ex/Em: | 555/575 nm | |
| Detection Method: | Fluorescent | |
| Solubility: | DMSO, DMF | |
| Molecular Formula: | C ₂₉ H ₂₅ N ₃ O ₇ | |
| Molecular Weight: | 527.53 | |
| CAS Number: | 246256-50-8 | |
| Storage Conditions: | -20°C, protect from light | |
| Shipping Condition: | Room Temperature | |

Applications

Fluorescent labeling

References:

1. Time-Resolved Fluorescence Energy Transfer DNA Helicase Assays for High Throughput Screening.
Earnshaw DL, Moore KJ, Greenwood CJ, Djaballah H, Jurewicz AJ, Murray KJ, Pope AJ
J Biomol Screen (1999) 4:239-248
2. Zymogen/enzyme discrimination using peptide chloromethyl ketones.
Williams EB, Krishnaswamy S, Mann KG
J Biol Chem (1989) 264:7536-7545
3. Optical properties and application of a reactive and bio-reducible thiol-containing tetramethylrhodamine dimer.
Christie RJ, Tadiello CJ, Chamberlain LM, Grainger DW,
Bioconjug Chem (2009) 20:476-480