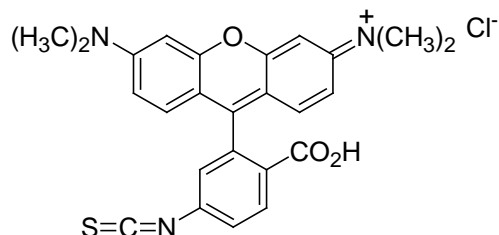


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Tetramethylrhodamine 6-isothiocyanate chloride (6-TRITC, R isomer)**CATALOG #** 90019**MOLECULAR INFORMATION:** C₂₅H₂₂ClN₃O₃S
Mwt: 479.98**PROPERTIES:**

Color & Form Dark red solid
Purity ≥ 90% by TLC
Solubility Soluble in DMF
Absorption/Emission 544nm/572nm (MeOH)
Extinction Coefficient 75,000

STORAGE AND SHELF LIFE

Store the moisture sensitive product in a zip-lock bag with a desiccant in a -20 °C freezer and protect from light. When stored at the recommended condition, the product has an estimated shelf life of twelve months upon receipt. Avoid repeated freeze/thaw.

APPLICATION:

6-TRITC is spectrally similar to TAMRA. The isothiocyanate reactive group reacts with primary or secondary amines to form a thiourea bond linkage.

RELATED PRODUCTS

5-Carboxytetramethylrhodamine-PEO₈-propionate succinimidyl ester(#90087);
5-Carboxytetramethylrhodamine-PEO₁₂-propionate succinimidyl ester(#90088)

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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