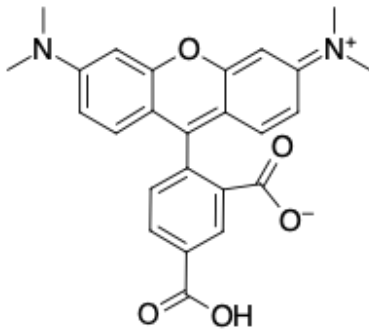


TAMRA carboxylic acid, 5-isomer

<http://cn.lumiprobe.com/p/tamra-carboxylic-acid-5>

Tetramethylrhodamine (TAMRA) is a xanthene dye with orange emission. The dye is a FRET acceptor for FAM and is sometimes used as a quencher of FAM. Like other xanthenes, TAMRA exists as two isomers (5- and 6-) with similar spectral properties. This compound is a pure 5-isomer of TAMRA.

TAMRA carboxylic acid is a non-reactive form of TAMRA dye that can be used as a reference standard in experiments involving TAMRA dye conjugates. Besides, the carboxylic group can react with hydrazines, hydroxylamines, and amines using carbodiimides such as EDAC.



外观:

分子量: 430.46

分子式: $C_{25}H_{22}N_2O_5$

质量控制:

储存条件:

激发/吸收极大值, 纳米: 541

ϵ , 摩尔吸光系数, cm^{-1} : 84000

发射极大值, 纳米: 567

荧光量子产率: 0.1

CF_{260} : 0.32

CF_{280} : 0.19