


Product datasheet

5-TRITC (Tetramethylrhodamine-5-isothiocyanate), Amine and nucleic acid reactive fluorescent probe ab145472

[1 References](#) [1 Image](#)

Overview

Product name	5-TRITC (Tetramethylrhodamine-5-isothiocyanate), Amine and nucleic acid reactive fluorescent probe
Description	Amine and nucleic acid reactive fluorescent probe
Biological description	Amine and nucleic acid reactive fluorescent probe. 6-TRITC (ab145403) and 5(6)-TRITC (ab145353) S-isomer. Spectrally similar to TAMRA (ab145282 , ab145438 , ab145338 , ab146486 , ab145334 , ab145433). Biodistributes covalently linked to poly(lactic-co-glycolic) acid (PLGA) and PLGA/chitosan nanoparticles after oral administration.
Purity	> 95%
CAS Number	80724-19-2
Chemical structure	

Properties

Excitation	557nm
Emission	576nm
Chemical name	Tetramethylrhodamine-5-isothiocyanate
Molecular weight	443.52
Molecular formula	C ₂₅ H ₂₁ N ₃ O ₃ S
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in

tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

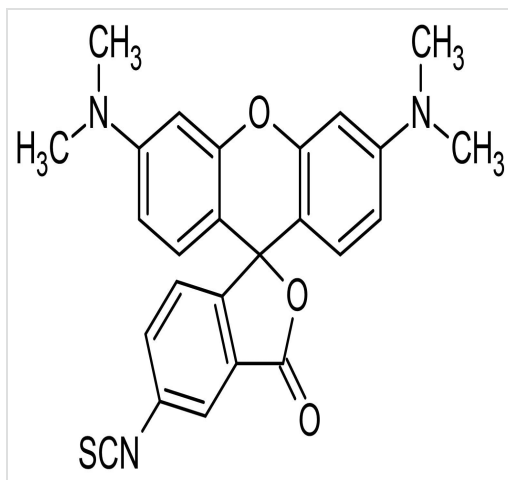
SMILES

CN(C)c4cc5Oc1cc(ccc1C3(OC(=O)c2cc(N=C=S)ccc23)c5cc4)N(C)C

Source

Synthetic

Images



2D chemical structure image of ab145472, 5-TRITC (Tetramethylrhodamine-5-isothiocyanate), Amine and nucleic acid reactive fluorescent probe

Chemical Structure - 5-TRITC

(Tetramethylrhodamine-5-isothiocyanate), Amine and nucleic acid reactive fluorescent probe (ab145472)

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