1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \(C_{29}H_{25}N_3O_7\)

Batch Molecular Weight: 527.52

Physical Appearance: Dark red solid

Solubility: Soluble in Acetonitrile

Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99.9% purity

\(^1H\) NMR: Consistent with structure

Mass Spectrum: Consistent with structure
Product Name: 5-TAMRA SE  
CAS Number: 150810-68-7  
IUPAC Name: 5-Carboxytetramethylrhodamine succinimidyl ester

Description:
Fluorescent probe for DNA and RNA; amine-reactive. Also shown to stain telomeres. Nuclease resistant and nuclei permeable. Excitation/emission λ ~545/580 nm.

Physical and Chemical Properties:
Batch Molecular Formula: C_{29}H_{32}N_{6}O_{7}
Batch Molecular Weight: 527.52
Physical Appearance: Dark red solid

Minimum Purity: >95%

Storage: Store at -20°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
Soluble in Acetonitrile
Soluble in DMF

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: