
Product Data Sheet

Product Name: TFX 594, SE

Cat. No.: GC50526

Chemical Properties

Cas. No. 295348-87-7

CC(C=C1CS(=O)(O)=O)

SMILES (C)N(C)C2=C1C=C(C(C3=CC=C(C(ON4C(CCC4=O)=O)=O)C=C3C(O)=O)=C5C(O6)=CC7=[N+](C)C(C)(C)C=C(CS(=O)([O-])=O)C7=C5)C6=C2

Formula C₃₉H₃₇N₃O₁₃S₂ M.Wt 819.85

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure **Background**

Amine reactive red fluorescent dye. Insensitive to pH in the range 4 - 10. Forms bright and photostable conjugates with proteins and antibodies. Suitable for use in flow cytometry, 2-photon excitation microscopy, and super resolution microscopy techniques, such as dSTORM. Excitation/emission maxima ~ 590 / 660 nm; extinction coefficient = 92,000 M⁻¹cm⁻¹; quantum yield = 0.66.

Panchuk-Voloshina et al (1999) Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates. J.Histochem.Cytochem. 47 1179 PMID:10449539

Caution: Product has not been fully validated for medical applications. For research use only.

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