
Product Data Sheet

Product Name: TFX 546, SE

Cat. No.: GC50524

Chemical Properties

Cas. No.

SMILES C1C(C(Cl)=C1C(O)=O)=C(SCC(NCCCCC(ON2C(CCC2=O)=O)=O)=O)C(Cl)=C1C(C3=CC4=C(NC(C)(C)CC4C)C(S(=O)([O-])=O)=C3O5)=C6C5=C(S(=O)([O-])=O)C7=[NH+]C(C)(C)CC(C)C7=C6.CC[NH+](CC)CC

Formula C₄₄H₄₇Cl₃N₄O₁₄S.(CH₃CH₂)₃NH

M.Wt

1159.6

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 tips 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 blue ice Condition upon request.

Structure **Background**

Amine reactive yellow fluorescent dye. Insensitive to pH in the range 4 - 10. Forms bright and photostable conjugates with proteins and antibodies. Suitable for use in microscopy. Excitation maximum = 554 nm; emission maximum = 570 nm; extinction coefficient = 112,000 M⁻¹cm⁻¹; quantum yield = 0.79.

Hone et al (2010) Alexa Fluor 546-ArIB[V11L;V16A] is a potent ligand for selectively labeling α 7 nicotinic acetylcholine receptors. J.Neurochem. 114 994 PMID:20492354 |Iwata et al (2005) Increased susceptibility of cytoplasmic over nuclear polyglutamine aggregates to autophagic degradation. Proc.Natl.Acad.Sci.USA. 102 13135 PMID:16141322 |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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
