Product Data Sheet

Product Name: TFAX 488, TFP
Cat. No.: GC50522

Chemical Properties

Cas. No.	878546-79-3		
SMILES	CCN(CC)CC.CCN(CC)CC.[NH2+]=C1C=CC2=C(C3=CC=C(C(OC4=C(F)C(F)=CC(F)=C4F)=O)C=C3C([O-])=O)C5=CC=C(N)C(S(=O)(O)=O)=C5OC2=C1S(=O)(O)=O		
Formula	$C_{27}H_{14}F_4N_2O_{11}S_2.C_{12}H_{30}N_2$	M.Wt	884.91
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	TFAX 488, TFP		

Background

Amine reactive green fluorescent dye. Insensitive to pH in the range 4 - 10. Forms bright and photostable conjugates with proteins and antibodies. Less susceptible to spontaneous hydrolysis during conjugation reactions compared to SE or NHS dyes. Also displays greater stability compared to NHS and SE versions, typically lasting several hours. Suitable for use in flow cytometry, two-photon excitation microscopy (TPE), and super resolution microscopy techniques, such as dSTORM, SIM and STED. Excitation maximum = 495 nm; emission maximum = 515 nm; extinction coefficient = 73,000 M-1cm-1; quantum yield = 0.92.

Schilling et al (2006) On the seeding and oligomerization of pGlu-amyloid peptides (in vitro). Biochemistry 45 12393 PMID:17029395

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