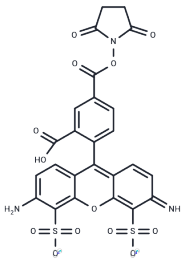
Data Sheet (Cat.No.T39692)

TargetMol

TFAX 488,SE dilithium

Chemical Properties



CAS No. : 222164-96-7

Formula: C25H15N3O13S2

Molecular Weight: 629.52

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	TFAX 488,SE dilithium is a green fluorescent dye known for its pH insensitivity over a wide range (pH 4-10). It forms highly luminous and photostable conjugates with proteins or antibodies, notably with goat anti-mouse IgG and streptavidin.
Targets(IC50)	Others
In vitro	The chemical compound exhibits an excitation maximum of 485±11 nm and an emission maximum of 530±15 nm[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5885 mL	7.9426 mL	15.8851 mL
5 mM	0.3177 mL	1.5885 mL	3.177 mL
10 mM	0.1589 mL	0.7943 mL	1.5885 mL
50 mM	0.0318 mL	0.1589 mL	0.3177 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Panchuk-Voloshina N, et al. Alexa dyes, a series of new fluorescent dyes that yield exceptionally bright, photostable conjugates. J Histochem Cytochem. 1999;47(9):1179-1188.

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