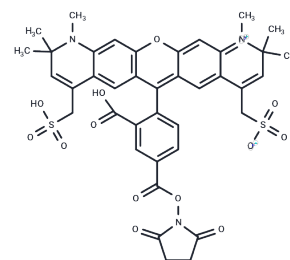


TFAX 594,SE

Chemical Properties

CAS No. : 295348-87-7
Formula: C₃₉H₃₇N₃O₁₃S₂
Molecular Weight: 819.85
Appearance: no data available
Storage: keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	TFAX 594,SE is a red fluorescent dye that maintains its fluorescence properties regardless of the pH level, ranging from 4 to 10. This dye produces highly intense and photostable conjugates when combined with proteins or antibodies, such as goat anti-mouse IgG.
In vitro	Proteins tagged with TFAX 594,SE dye exhibit significantly enhanced brightness, often several-fold greater, compared to proteins tagged with traditional Texas Red dyes [1]. This improvement in fluorescence is quantitatively supported by its excitation maximum at 590±22.5 nm and emission maximum at 660±16 nm [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2197 mL	6.0987 mL	12.1974 mL
5 mM	0.2439 mL	1.2197 mL	2.4395 mL
10 mM	0.122 mL	0.6099 mL	1.2197 mL
50 mM	0.0244 mL	0.122 mL	0.2439 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.

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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