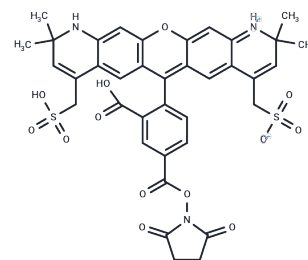


TFAX 568, SE

Chemical Properties

CAS No. : 878549-44-1
Formula: C₃₇H₃₃N₃O₁₃S₂
Molecular Weight: 791.8
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 568, SE is an orange fluorescent dye with a wide pH-insensitive range of 4-10. It efficiently forms highly luminous and photostable conjugates with proteins or antibodies, specifically goat anti-mouse IgG.
In vitro	The chemical compound TFAX 568, when used to label proteins, exhibits an excitation maximum at 560±20 nm and an emission maximum at 610±20 nm[1]. Moreover, proteins tagged with TFAX 568 are significantly more luminous, by several folds, compared to when they are labeled with lissamine rhodamine B dye[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2629 mL	6.3147 mL	12.6295 mL
5 mM	0.2526 mL	1.2629 mL	2.5259 mL
10 mM	0.1263 mL	0.6315 mL	1.2629 mL
50 mM	0.0253 mL	0.1263 mL	0.2526 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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