

AF647 NHS ester tris(triethylammonium) salts

Chemical Properties

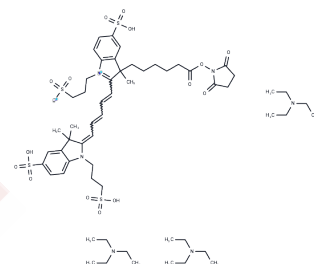
CAS No. : 407627-61-6

Formula: C₅₈H₉₄N₆O₁₆S₄

Molecular Weight: 1259.66

Storage: Keep away from direct sunlight, Store under nitrogen,
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	AF647 NHS ester tris(triethylammonium) salts is a fluorescent dye used for biomolecule labeling, belonging to the far-red fluorescence type, with excitation and emission wavelengths of 648 nm and 671 nm, respectively. The activated ester group in AF647 NHS ester tris(triethylammonium) salts can react with amino groups (especially primary amines) in target molecules to form stable amide bonds, thereby conjugating the AF647 NHS ester tris(triethylammonium) salts fluorescent molecule to biomacromolecules.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 16 mg/mL (12.7 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7939 mL	3.9693 mL	7.9387 mL
5 mM	0.1588 mL	0.7939 mL	1.5877 mL
10 mM	0.0794 mL	0.3969 mL	0.7939 mL
50 mM	0.0159 mL	0.0794 mL	0.1588 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

Karlsson JKG, et al. Photo-isomerization of the Cyanine Dye Alexa-Fluor 647 (AF-647) in the Context of dSTORM Super-Resolution Microscopy. Chemistry. 2019;25(65):14983-14998.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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