May 2, 2022

Product Information

Cyanine Dye, Succinimidyl Ester

Unit Size: 1 mg

Technical Summary

Catalog no.	Dye	Ex/Em(nm)	MW
90016	Cyanine 555	555/565	829
90025	Cyanine 647	650/665	855
90048	Cyanine 680	681/698	1318
90049	Cyanine 750	755/777	881

Storage and Handling

Store cyanine dye, succinimidyl ester at -20°C, protected from moisture and light. Product is stable for at least 6 months from date of receipt if stored as recommended.

Stock solutions may be prepared in water, DMF, or DMSO. For making stock solutions, we recommend dissolving the dye in anhydrous DMSO (see Related Products) at 10 mM. Stock solutions prepared in anhydrous DMSO can be stored at ≤ -20°C for at least one month. Stock solutions may also be prepared in water or other aqueous buffer. However, because the succinimidyl ester reactive group will hydrolyze slowly in water, stock solutions in water should be prepared immediately before the conjugation reaction and cannot be stored for later use.

Product Description

Cyanine dye succinimidyl esters can be used to conjugate to lysine residues in proteins or other biomolecules with a free amine group. The succinimidyl ester group of the dye reacts with an amine group to form a stable amide linkage.

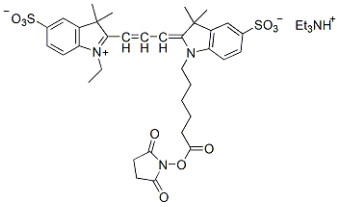


Figure 1. Cyanine 555 Succinimidyl Ester

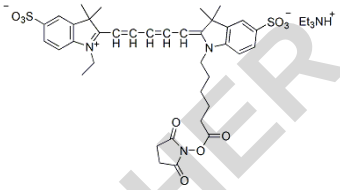


Figure 2. Cyanine 647 Succinimidyl Ester

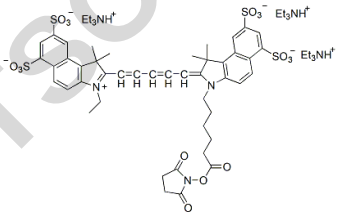


Figure 3. Cyanine 680 Succinimidyl Ester

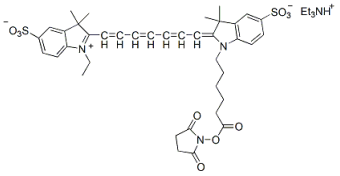


Figure 4. Cyanine 750 Succinimidyl Ester

Related Products

Catalog number	Product
90082	DMSO, Anhydrous
90117-1mg - 90119-1mg	Cyanine NS Dye Succinimidyl Ester
92103... 96095	CF® Dye SE/TFP Ester
92230... 92450	Mix-n-Stain™ CF® Dye Antibody Labeling Kits
22014	Ultrafiltration Vial, 10K MWCO (5 per pack)
22018	Ultrafiltration Vial, 3K MWCO (5 per pack)

Please visit www.biotium.com to view our full selection of CF® reactive dyes and labeling kits, CF® Dye labeled antibodies and other conjugates, and more.

Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use.

DOMINIQUE DUTSCHER SAS