

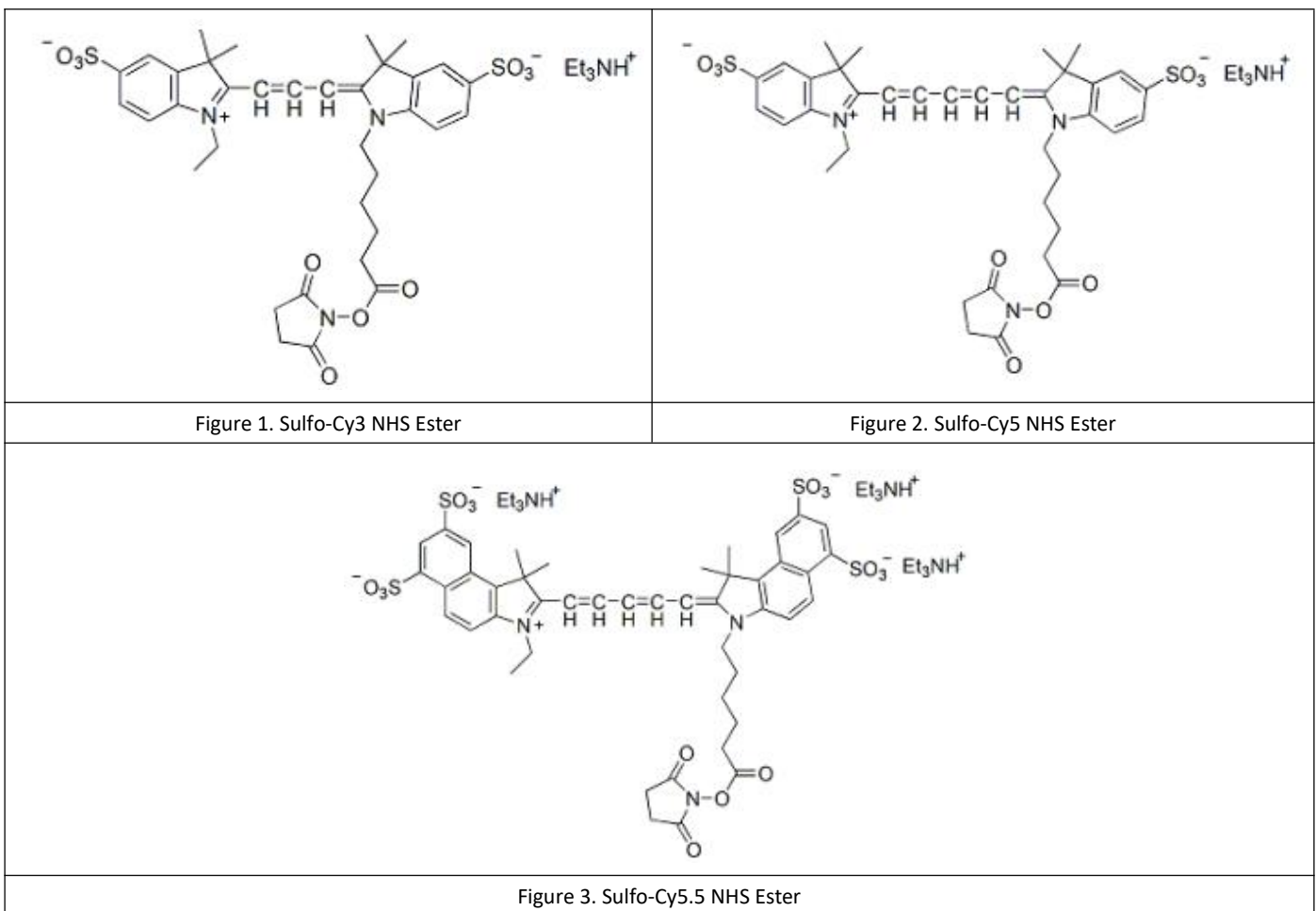
Sulfo-Cyanine Dye NHS Ester

Catalog no.	Dye	Ex/Em(nm)	MW
BGT-CHM-05098	Sulfo-Cy3 NHS Ester	555/565	829
BGT-CHM-05097	Sulfo-Cy5 NHS Ester	650/665	855
BGT-CHM-05096	Sulfo-Cy5.5 NHS Ester	681/698	1318

Product Introduction

The Cyanine dye succinimidyl ester can be used for conjugation with proteins or other biomacromolecules that have free amine groups on their lysine residues. The succinimidyl ester group of the dye reacts with the amine group to form a stable amide bond.

Structural formula



Shipping and Storage

Stored at -20°C, avoiding moisture and light exposure. If stored as recommended, the product can be kept stable for at least 6 months from the date of receipt. The dye can be prepared in a stock solution with water, DMF, or DMSO. When preparing a stock solution, we suggest dissolving the dye at a concentration of 10 mM in anhydrous dimethyl sulfoxide (DMSO). The stock solution prepared with anhydrous DMSO can be stored for at least one month at temperatures \leq -20°C. Stock solutions can also be prepared with water or other aqueous buffers. However, due to the rapid hydrolysis rate of the succinimidyl ester reactive group in water, the aqueous solution should be freshly prepared before the labeling reaction and should not be stored for later use.

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.