

Cy5.5NS succinimidyl ester

Catalog number: 199

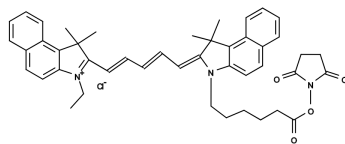
Unit size: 10 mg

Product Details

Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

Chemical Properties

Appearance	Dark blue solid
Molecular Weight	730.33
Soluble In	DMSO
Chemical Structure	



Spectral Properties

Excitation Wavelength	683 nm
Emission Wavelength	703 nm

Applications

Cyanines are used in a wide variety of biological applications including comparative genomic hybridization and in gene chips. Depending on the structure, they cover the spectrum visible and IR wavelengths. Cy 3, Cy5, Cy5.5 and Cy7 are the most popular cyanine dyes. Cy5.5NS dyes have the spectral properties identical to Cy5.5, but do not have the four sulfonate groups of Cy5.5. Cy5.5NS dyes are not soluble in water while Cy5.5 dyes have high water solubility. AAT Bioquest offers the broadest selection of cyanine dyes. This non-sulfonated cyanine is not water soluble, and mainly used for labeling oligos, peptides and other small molecules. Cy5.5NS succinimidyl ester selectively reacts with aliphatic amines.