

Product datasheet

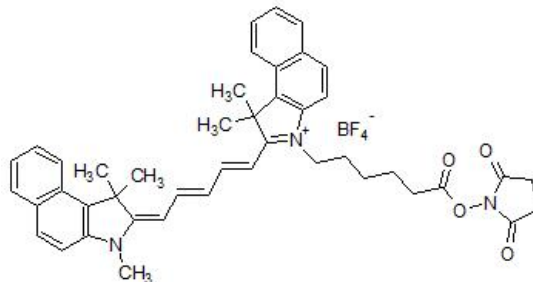
Cyanine5.5 NHS ester, Amine-reactive far-red emitting fluorescent dye ab146455

1 References

Overview

Product name	Cyanine5.5 NHS ester, Amine-reactive far-red emitting fluorescent dye
Description	Amine reactive far-red / near-infrared emitting fluorescent dye.
Biological description	Far-red / near-infrared emitting fluorescent dye for labeling of amino-groups in peptides, proteins, and oligonucleotides. Analog of Cy5.5 [®] NHS ester. Ideal for fluorescence measurements where background fluorescence is a concern. Also suitable for <i>in vivo</i> near-infrared (NIR) imaging experiments.
Purity	> 95%

Chemical structure



Properties

Excitation	673nm
Emission	707nm
Chemical name	2-[(1E,3E,5E)-5-(1,3-dihydro-1,1,3-trimethyl-2H-benz[e]indol-2-ylidene)-1,3-pentadien-1-yl]-1,1-dimethyl-3-[6-[[2,5-dioxo-1-pyrrolidinyl]oxy]-6-oxohexyl]-1H-benzo[e]indolium tetrafluoroborate
Molecular weight	767.67
Molecular formula	C ₄₄ H ₄₆ BF ₄ N ₃ O ₄
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store In the Dark. Store under desiccating conditions.
Solubility overview	Soluble in organic solvents (DMSO, DMF, dichloromethane), practically insoluble in water (< 1 uM, < 1 mg/L)
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need

to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

Source

Synthetic

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