

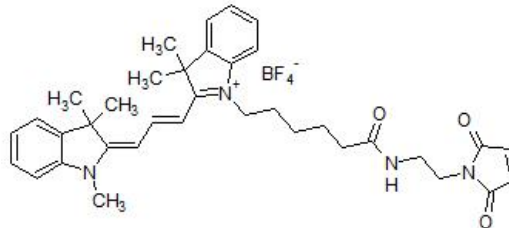
Product datasheet

Cyanine3 maleimide, Yellow emitting fluorescent dye
ab146488

1 Image

Overview

Product name	Cyanine3 maleimide, Yellow emitting fluorescent dye
Description	Yellow emitting thiol mono-reactive fluorescent dye.
Biological description	Yellow emitting thiol mono-reactive fluorescent dye. Used for labeling of proteins and peptides containing cysteine residues, as well as other thiolated molecules. Cysteines should be reduced with TCEP (tris-carboxyethylphosphine) or other appropriate reductant prior to the labeling.
Purity	> 95%
Chemical structure	



Properties

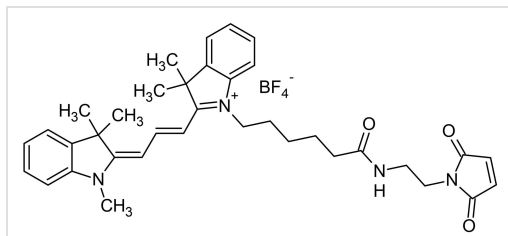
Excitation	555nm
Emission	570nm
Chemical name	1-[6-[2-(2,5-Dioxo-2,5-dihydro-1H-pyrrol-1-yl)ethylamino]-6-oxohexyl]-3,3-dimethyl-2-[(1E,3E)-3-(1,3,3-trimethylindolin-2-ylidene)prop-1-enyl]-3H-indolium tetrafluoroborate
Molecular weight	666.56
Molecular formula	C ₃₆ H ₄₃ BF ₄ N ₄ O ₃
Storage instructions	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 DMSO
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.

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

Source

Synthetic

Images



2D chemical structure image of ab146488, Cyanine3 maleimide, Yellow emitting fluorescent dye

Chemical Structure - Cyanine3 maleimide, Yellow emitting fluorescent dye (ab146488)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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