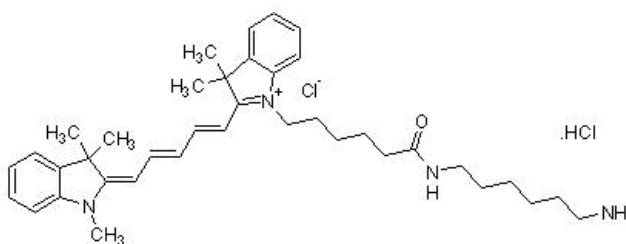


Product datasheet

Cyanine5 amine, Red emitting fluorescent dye
ab146463

Overview

Product name	Cyanine5 amine, Red emitting fluorescent dye
Description	Photostable, red emitting fluorescent dye with a free amino group.
Biological description	Photostable, red emitting fluorescent dye with a free amino group for reaction with activated esters and activated carboxy groups. Analog of Cy5 [®] amine.
Purity	> 95%
General notes	Moderate solubility in water.
Chemical structure	



Properties

Excitation	646nm
Emission	662nm
Chemical name	1-[6-(6-aminohexylamino)-6-oxohexyl]-3,3-dimethyl-2-[(1 <i>E</i> ,3 <i>E</i> ,5 <i>E</i>)-5-(1,3,3-trimethylindolin-2-ylidene)penta-1,3-dienyl]-3 <i>H</i> -indolium chloride hydrochloride
Molecular weight	653.77
Molecular formula	C ₃₈ H ₅₃ ClN ₄ O.HCl
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 water, in DMSO and in ethanol
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

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

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