

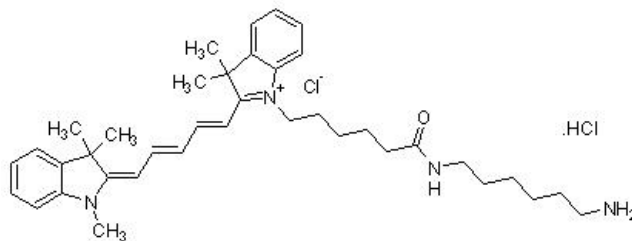
Product datasheet

Cyanine5 amine, Red emitting fluorescent dye  
ab146463

1 Image

Overview

<b>Product name</b>	Cyanine5 amine, Red emitting fluorescent dye
<b>Description</b>	Photostable, red emitting fluorescent dye with a free amino group.
<b>Biological description</b>	Photostable, red emitting fluorescent dye with a free amino group for reaction with activated esters and activated carboxy groups. Analog of Cy5 <sup>®</sup> amine.
<b>Purity</b>	> 95%
<b>General notes</b>	Moderate solubility in water.
<b>CAS Number</b>	1807529-70-9
<b>Chemical structure</b>	



Properties

<b>Excitation</b>	646nm
<b>Emission</b>	662nm
<b>Chemical name</b>	1-[6-(6-aminoethylamino)-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
<b>Molecular weight</b>	653.77
<b>Molecular formula</b>	C <sub>38</sub> H <sub>53</sub> ClN <sub>4</sub> O.HCl
<b>Storage instructions</b>	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.
<b>Solubility overview</b>	Soluble in water, in DMSO and in ethanol
<b>Handling</b>	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

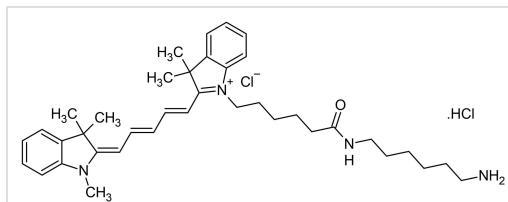
prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

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 ab146463, Cyanine5 amine, Red emitting fluorescent dye

Chemical Structure - Cyanine5 amine, Red emitting fluorescent dye (ab146463)

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

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