

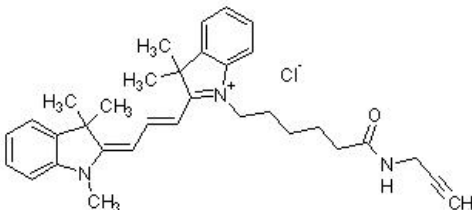
## Product datasheet

# Cyanine3 alkyne, Yellow emitting fluorescent dye

## ab146444

[1 Image](#)

### Overview

<b>Product name</b>	Cyanine3 alkyne, Yellow emitting fluorescent dye
<b>Description</b>	Yellow emitting fluorescent alkyne dye.
<b>Biological description</b>	Yellow emitting fluorescent alkyne dye for click chemistry reactions. Analog of Cy3 <sup>®</sup> alkyne. Can be attached to nearly any molecule bearing an azide group. Non water-soluble. When used with organic co-solvent (DMSO or DMF), can be efficiently attached to water-soluble molecules such as proteins, or peptides.
<b>Purity</b>	> 95%
<b>Chemical structure</b>	

### Properties

<b>Excitation</b>	555nm
<b>Emission</b>	570nm
<b>Chemical name</b>	3,3-Dimethyl-1-[6-oxo-6-(prop-2-ynylamino)hexyl]-2-[(1 <i>E</i> ,3 <i>E</i> )-3-(1,3,3-trimethylindolin-2-ylidene)prop-1-enyl]-3 <i>H</i> -indolium chloride
<b>Molecular weight</b>	530.14
<b>Molecular formula</b>	C <sub>33</sub> H <sub>40</sub> ClN <sub>3</sub> O
<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 DMSO
<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

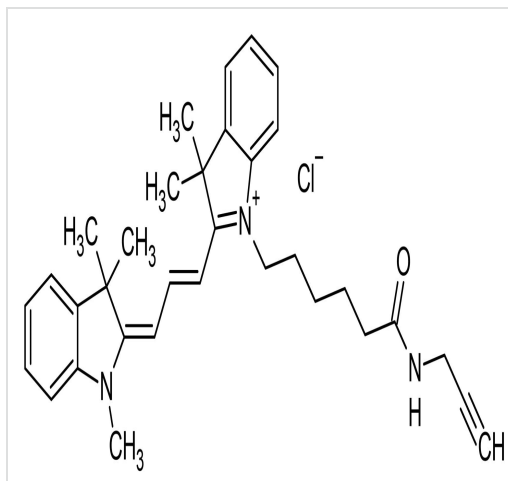
temperature for at least 1 hour.

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 ab146444, Cyanine3 alkyne, Yellow emitting fluorescent dye

Chemical Structure - Cyanine3 alkyne, Yellow emitting fluorescent dye (ab146444)

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

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