

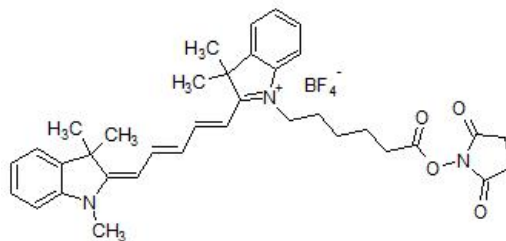
Product datasheet

Cyanine5 NHS ester, Amine-reactive red emitting fluorescent dye. ab146454

2 References

Overview

<b>Product name</b>	Cyanine5 NHS ester, Amine-reactive red emitting fluorescent dye.
<b>Description</b>	Amine reactive red emitting fluorescent dye.
<b>Biological description</b>	Red emitting fluorescent dye for labeling of amino-groups in peptides, proteins, and oligonucleotides. Requires a small amount of organic co-solvent (such as DMF or DMSO) to be used in labeling reactions.
<b>Purity</b>	> 95%
<b>CAS Number</b>	1263093-76-0
<b>Chemical structure</b>	



Properties

<b>Excitation</b>	646nm
<b>Emission</b>	662nm
<b>Chemical name</b>	1-[6-(2,5-Dioxopyrrolidin-1-yloxy)-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 tetrafluoroborate
<b>Molecular weight</b>	667.55
<b>Molecular formula</b>	C <sub>36</sub> H <sub>42</sub> BF <sub>4</sub> N <sub>3</sub> O <sub>4</sub>
<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.

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

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

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