

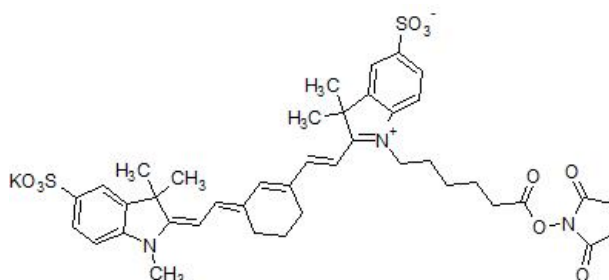
Product datasheet

Sulfo-Cyanine7 NHS ester, Amine-reactive NIR emitting fluorescent dye ab146460

1 Image

Overview

<b>Product name</b>	Sulfo-Cyanine7 NHS ester, Amine-reactive NIR emitting fluorescent dye
<b>Description</b>	Water-soluble amine reactive NIR emitting fluorescent dye.
<b>Biological description</b>	Water soluble near infrared (NIR) amine-reactive succinimide ester. Useful for labeling of delicate proteins, and proteins prone to denaturation.
<b>Purity</b>	> 95%
<b>CAS Number</b>	1603861-95-5
<b>Chemical structure</b>	



Properties

<b>Excitation</b>	750nm
<b>Emission</b>	773nm
<b>Chemical name</b>	Potassium 1-[6-[(2,5-dioxopyrrolidin-1-yl)oxy]-6-oxohexyl]-3,3-dimethyl-2-[(E)-2-[(E)-3-[(E)-2-(1,3,3-trimethyl-5-sulfonatoindolin-2-ylidene)ethylidene]cyclohex-1-en-1-yl]vinyl]-3H-indol-1-ium-5-sulfonate
<b>Molecular weight</b>	844.05
<b>Molecular formula</b>	C <sub>41</sub> H <sub>46</sub> N <sub>3</sub> KO <sub>10</sub> S <sub>2</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 water and 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

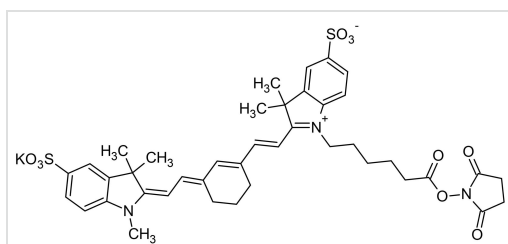
tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

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 ab146460, Sulfo-Cyanine7 NHS ester, Amine-reactive NIR emitting fluorescent dye

Chemical Structure - Sulfo-Cyanine7 NHS ester,  
Amine-reactive NIR emitting fluorescent dye  
(ab146460)

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

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