

Product datasheet

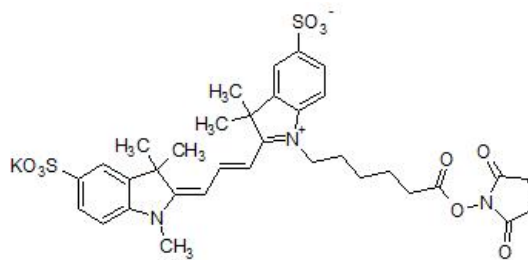
Sulfo-Cyanine3 NHS ester, Amine-reactive yellow emitting fluorescent dye ab146458

1 References

Overview

Product name	Sulfo-Cyanine3 NHS ester, Amine-reactive yellow emitting fluorescent dye
Description	Water soluble amino-reactive yellow emitting fluorescent dye.
Biological description	Water soluble amino-reactive yellow emitting fluorescent dye. Efficiently labels proteins and peptides in purely aqueous solution, without need for organic co-solvent. Ideal for proteins with low solubility, and proteins prone to denaturation.
Purity	> 95%

Chemical structure



Properties

Excitation	548nm
Emission	563nm
Chemical name	Potassium 1-[6-(2,5-dioxopyrrolidin-1-yloxy)-6-oxohexyl]-3,3-dimethyl-2-[(1 <i>E</i> ,3 <i>E</i>)-3-(1,3,3-trimethyl-5-sulfonatoindolin-2-ylidene)prop-1-enyl]-3 <i>H</i> -indolium-5-sulfonate
Molecular weight	751.91
Molecular formula	C ₃₄ H ₃₈ N ₃ KO ₁₀ S ₂
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 DMSO and in water
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

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