

Product datasheet

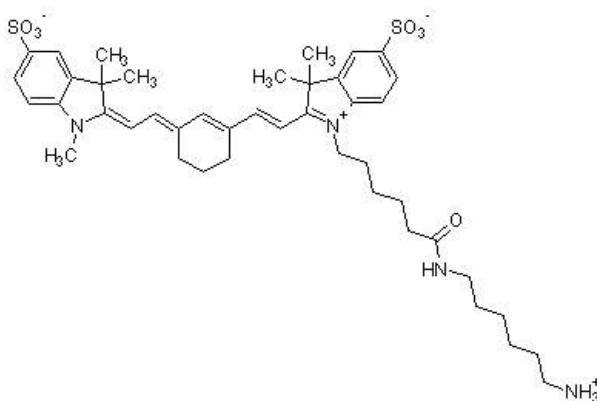
Sulfo-Cyanine7 amine, NIR emitting fluorescent dye
ab146467

Overview

Product name	Sulfo-Cyanine7 amine, NIR emitting fluorescent dye
Description	Water soluble, amino derivative, NIR emitting fluorescent dye.
Biological description	Water soluble, amino derivative, near infrared (NIR) emitting fluorescent dye for the derivatization of various targets by the reaction with electrophilic groups, and by enzymatical reactions involving transamination.

Purity > 95%

Chemical structure



Properties

Excitation	750nm
Emission	773nm
Chemical name	1-[6-(6-Aminohexylamino)-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
Molecular weight	807.07
Molecular formula	C ₄₃ H ₅₈ N ₄ O ₇ 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 ethanol
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

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

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