

Product datasheet

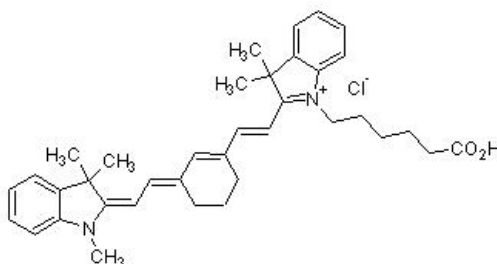
Cyanine7 carboxylic acid, NIR emitting fluorescent dye
ab146499

1 References 1 Image

Overview

Product name	Cyanine7 carboxylic acid, NIR emitting fluorescent dye
Description	Free unactivated NIR emitting fluorescent dye.
Biological description	Free unactivated near-infrared (NIR) emitting fluorescent dye.
Purity	> 95%
CAS Number	1628790-40-8

Chemical structure



Properties

Excitation	750nm
Emission	773nm
Chemical name	1-(5-Carboxypentyl)-3,3-dimethyl-2-[(E)-2-[(E)-3-[(E)-2-(1,3,3-trimethylindolin-2-ylidene)ethylidene]cyclohex-1-enyl]vinyl]-3H-indolium chloride
Molecular weight	585.22
Molecular formula	C ₃₇ H ₄₅ ClN ₂ O 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 slightly soluble 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

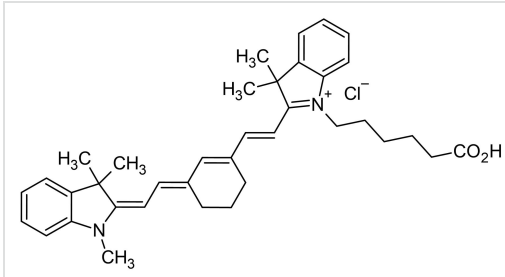
temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

Source

Synthetic

Images



2D chemical structure image of ab146499, Cyanine7 carboxylic acid, NIR emitting fluorescent dye

Chemical Structure - Cyanine7 carboxylic acid, NIR emitting fluorescent dye (ab146499)

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