

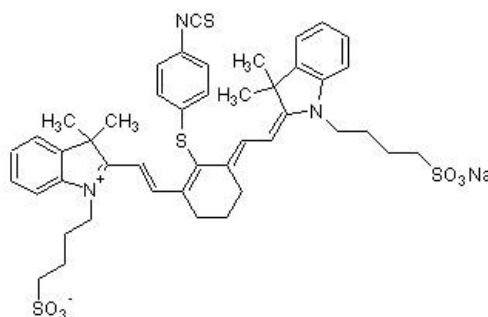
Product datasheet

NIR-797-isothiocyanate, Near-infrared fluorescent dye ab145280

[1 Image](#)

Overview

Product name	NIR-797-isothiocyanate, Near-infrared fluorescent dye
Description	Near-infrared fluorescent dye
Biological description	Near-infrared fluorescent dye. Cyanine dye for labeling protein.
Purity	> 90%
CAS Number	152111-91-6
Chemical structure	



Properties

Excitation	795nm
Emission	817nm
Chemical name	4-[(2E)-2-[(2E)-2-[3-[(E)-2-[3,3-Dimethyl-1-(4-sulfonatobutyl)indol-1-ium-2-yl]ethenyl]-2-(4-isothiocyanatophenyl)sulfanylcyclohex-2-en-1-ylidene]ethyldiene]-3,3-dimethylindol-1-yl]butane-1-sulfonate sodium salt
Molecular weight	880.14
Molecular formula	C ₄₅ H ₅₀ N ₃ NaO ₆ S ₄
PubChem identifier	16220153
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble 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.

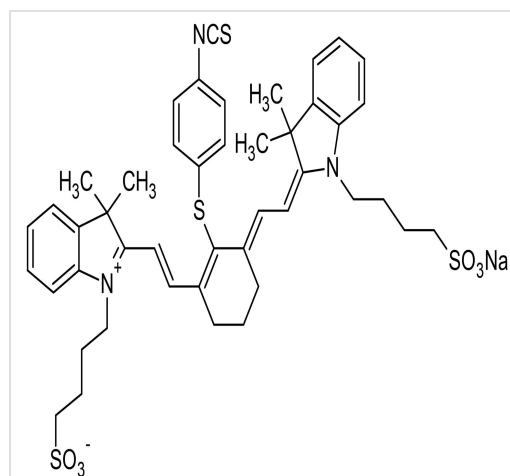
SMILES

CC1(C2=CC=CC=C2[N+](=C1/C=C/C3=C(/C(=C/C=C/4\C(C5=CC=CC=C5N4CCCCS(=O)(=O)[O-])(C)C)/CCC3)SC6=CC=C(C=C6)N=C=S)CCCCS(=O)(=O)[O-])C.[Na+]

Source

Synthetic

Images



2D chemical structure image of ab145280, NIR-797-isothiocyanate, Near-infrared fluorescent dye

Chemical Structure - NIR-797-isothiocyanate, Near-infrared fluorescent dye (ab145280)

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

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