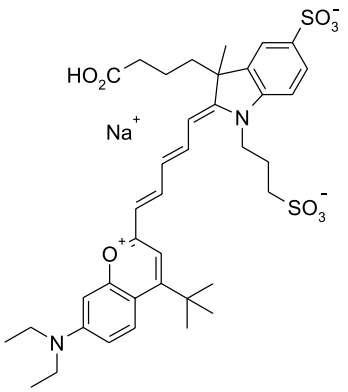
PromoFluor 780, Reactive Dyes

Instruction Manual

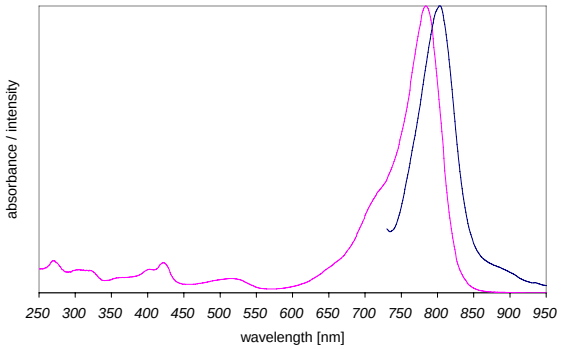
Catalog Number	PK-PF780-0-01	PromoFluor-780, carboxylic acid	1 mg
	PK-PF780-0-05	PromoFluor-780, carboxylic acid	5 mg
	PK-PF780-1-01	PromoFluor-780, NHS ester	1 mg
	PK-PF780-1-01A	PromoFluor-780, NHS ester	5 x 0.2 mg
	PK-PF780-1-05	PromoFluor-780, NHS ester	5 mg
	PK-PF780-2-01	PromoFluor-780, amino-modified	1 mg
	PK-PF780-3-01	PromoFluor-780, maleimide	1 mg
	PK-PF780-3-05	PromoFluor-780, maleimide	5 mg

Structure & Spectra

Chemical Structure



Absorption and Emission Spectra



Absorption / Emission max.

783 nm / 800 nm (in ethanol)

Molar Absorbance

170.000 $M^{-1}cm^{-1}$

Molecular Data

Modification	Molecular Weight	Molecular Formula
Carboxylic acid	762.92 g·mol^{-1}	$C_{38}H_{47}N_2O_9S_2Na$
NHS-ester	860.00 g·mol^{-1}	$C_{42}H_{50}N_3O_{11}S_2Na$
Maleimide	885.05 g·mol^{-1}	$C_{44}H_{53}N_4O_{10}S_2Na$
Amino-derivative	783.03 g·mol^{-1}	$C_{40}H_{54}N_4O_8S_2$

Formulation

Solid

Solubility

Soluble in water, methanol, DMF and DMSO (up to 10 mg/ml).

Storage & Stability

Store at -20°C and protect from light and humidity.

Applications

Fluorescent labeling of biomolecules (e.g. proteins/peptides, antibodies, nucleic acids). Labeling protocols are available at www.promkine.info.

FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

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