Fluorescent Dye 790-I Acid

Catalog # U0262 Size 5 mg

Applications

Maximum Excitation/Emission wavelength: 783/814 nm

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Specification

Product Description	Water-soluble fluorescent dye. The fluorescence emission maximum of Fluorescent Dye 790-I around 810nm is well separated from commonly used far-red fluorophores, including Fluorescent Dye 647-I, Fluorescent Dye 680-I or allophycocyanin (APC), facilitating the rapid growing NIR biological analysis. Fluorescent Dye 790-I is one of the bightest NIR fluorescent labeling dyes with fluorescence quantum yield close to 0.1. Its conjugates have been successfully used for NIR fluorescent probe-based *in vivo* imaging analysis.
Spectral Equivalent	Alexa Fluor 790, IRDye 800
Molar Extinction Coefficient	> 250,000 $M^{-1}cm^{-1}$
Excitation (Max)	783 nm
Emission (Max)	814 nm
Solubility	Water
Regulation Status	For research use only (RUO)
Recommend Usage	Labeling of biological molecules, e.g. Protein, for fluorescence imaging and other fluorescence-based biochemical analysis.
Storage Buffer	Water

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Storage Instruction	Store the product in desiccated environment at -20°C and avoid from light.
Note	Maximum Excitation/Emission wavelength: 783/814 nm Maximum Excitation/Emission wavelength: 783/814 nm

Applications

- Conjugation
- *In vivo* Imaging

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