Fluorescent Dye 645-A Amine

Catalog # U0161 Size 5 mg

Applications

Maximum Excitation/Emission wavelength: 643/662 nm (in CH_3OH)

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Specification

Product Description	Fluorescent dye derived from Cyanine. Water soluble and reacts toward activated carboxylic acid at pH 7-9 inserting a negative charge in the labeled molecule.
Chemical Name	2-((1E,3E,5E)-5-(1-(3-ammoniopropyl)-3,3-dimethyl-5-sulfonatoindolin-2-ylidene)penta-1,3-dienyl)-1-ethyl-3,3-dimethyl-3H-indolium-5-sulfonate
Chemical Formula	$C_{30}H_{37}N_3O_6S_2$
MW	599.76 g/mol
Molar Extinction Coefficient	250000 $M^{-1}cm^{-1}(CH_3OH)$
Excitation (Max)	643 nm (CH_3OH)
Emission (Max)	662 nm (CH_3OH)
Recommended Excitation	Argon-Krypton ion laser 647nm, Red diode laser 635nm
Recommended Filter Sets	APC, Cy5
Solubility	Acetonitrile, DMF, DMSO, Methanol, Water.
Purity	≥ 95%

Regulation Status	For research use only (RUO)
Storage Instruction	Store in the dark at -20°C.
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Applications

- Conjugation