

Product Data Sheet

Product Name: CY5-SE

Cat. No.: GC35771

Chemical Properties

Cas. No. 146368-14-1

SMILES CC(/C(N1CCCCC(ON2C(CCC2=O)=O)=O)=O)=C\C=C\C=C\C3=[N+](CC)C(C=CC(S(=O)([O-])=O)=C4)=C4C3(C)C)(C)C5=C1C=CC(S(=O)(O)=O)=C5

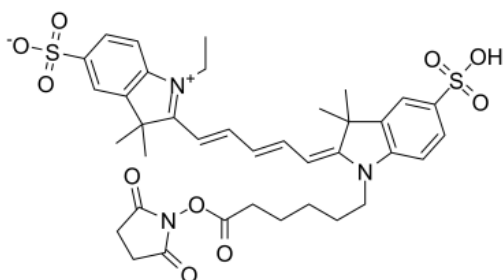
Formula $C_{37}H_{43}N_3O_{10}S_2$ M.Wt 753.88

Solubility DMSO : 25 mg/mL (33.16 mM; Need ultrasonic); H_2O : ≥ 5.88 mg/mL (7.80 mM) Storage Store at $-20^{\circ}C$, protect from light

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Cy5-SE is a reactive dye for the labeling of amino-groups in peptides, proteins, and oligonucleotides. This dye requires small amount of organic co-solvent (such as DMF or DMSO) to be used in labeling

Caution: Product has not been fully validated for medical applications. For research use only.

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reaction. This reagent is ideal for very cost-efficient labeling of soluble proteins, as well as all kinds of peptides and oligonucleotides. This reagent also works well in organic solvents for small molecule labeling. Excitation (nm): 649, Emission (nm): 670.

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