

---

**Product Data Sheet**


---

Product Name: CY3-SE  
 Cat. No.: GC35768

**Chemical Properties**

Cas. No. 146368-16-3

SMILES CC(/C(N1CCCCC(ON2C(CCC2=O)=O)=O)=O)=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<sub>35</sub>H<sub>41</sub>N<sub>3</sub>O<sub>10</sub>S<sub>2</sub> M.Wt 727.84

Solubility DMSO: ≥ 62.5 mg/mL (85.87 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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**

Cy3-SE is a hydrophilic amine-reactive fluorescent probe.<sup>1,2</sup> It displays excitation/emission maxima of 550/570 nm, respectively. It has commonly been used to label nucleic acids.

1. Randolph, J.B., and Waggoner, A.S. Stability, specificity and fluorescence brightness of multiply-labeled fluorescent DNA probes *Nucleic Acids Res.* 25(14)2923-2929(1997)

2. Harvey, B.J., and Levitus, M. Nucleobase-specific enhancement of Cy3 fluorescence. *J. Fluoresc.* 19(3)443-448(2009)

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---