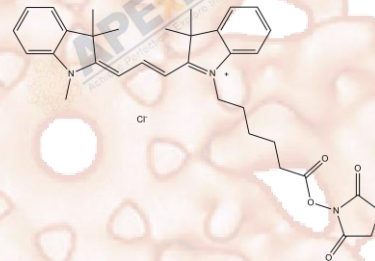


# Product Data Sheet

## Cy3 NHS ester (non-sulfonated)

**Cat. No.:** A8100  
**CAS No.:**  
**Formula:** C<sub>34</sub>H<sub>40</sub>CIN<sub>3</sub>O<sub>4</sub>  
**M.Wt:** 590.15  
**Synonyms:**  
**Target:** Fluorescent dyes  
**Pathway:** Cyanine dyes  
**Storage:** 24 months after receipt at -20°C in the dark.  
 Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.  
 Desiccate.



### Solvent & Solubility

≥59 mg/mL in DMSO; insoluble in H<sub>2</sub>O; ≥25.3 mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
		1 mM	1.6945 mL	8.4724 mL	16.9448 mL
		5 mM	0.3389 mL	1.6945 mL	3.3890 mL
		10 mM	0.1694 mL	0.8472 mL	1.6945 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

Labeling of amino-groups in biomolecules.

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

## Product Citations

1. Hassnain Asgar, Liyan Jacob ,et al. "Fast spontaneous emission and high Förster resonance energy transfer rate in hybrid organic/inorganic plasmonic nanostructures." arXiv preprint arXiv:1804.09637, 2018.

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

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