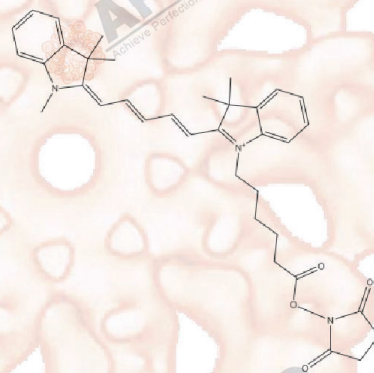


## Product Data Sheet

### Cy5 NHS ester (non-sulfonated)

<b>Cat. No.:</b>	A8102
<b>CAS No.:</b>	
<b>Formula:</b>	C36H42CIN3O4
<b>M.Wt:</b>	616.19
<b>Synonyms:</b>	
<b>Target:</b>	Fluorescent dyes
<b>Pathway:</b>	Cyanine dyes
<b>Storage:</b>	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

≥30.8 mg/mL in DMSO; insoluble in H<sub>2</sub>O; ≥15.1 mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Mass			
	Solvent Concentration	1mg	5mg	10mg
1 mM	1.6229 mL	8.1144 mL	16.2288 mL	
5 mM	0.3246 mL	1.6229 mL	3.2458 mL	
10 mM	0.1623 mL	0.8114 mL	1.6229 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. Jiang C, Qi Z, et al. "ATP-responsive low-molecular-weight polyethylenimine-based supramolecular assembly via host-guest interaction for gene delivery." Biomacromolecules. 2018 Dec 5. PMID:30516950

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 APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term 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.

**APExBIO Technology**

[www.apexbt.com](http://www.apexbt.com)

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

