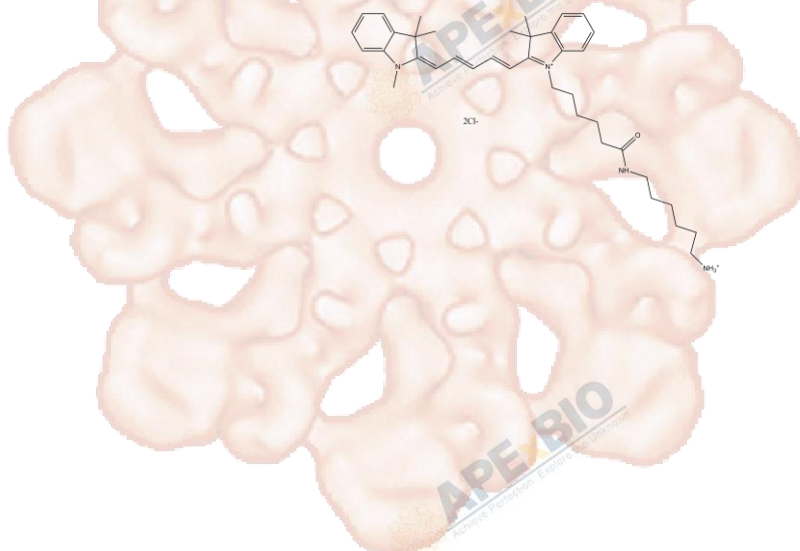


# Product Data Sheet

## Cy5 amine (non-sulfonated)

**Cat. No.:** A8143  
**CAS No.:**  
**Formula:** C38H54Cl2N4O  
**M.Wt:** 653.77  
**Synonyms:**  
**Target:** Fluorescent dyes  
**Pathway:** Cyanine dyes  
**Storage:** Store at -20°C



### Solvent & Solubility

≥48 mg/mL in DMSO; insoluble in H<sub>2</sub>O; ≥8.84 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	1.5296 mL	7.6479 mL	15.2959 mL
	<b>5 mM</b>	0.3059 mL	1.5296 mL	3.0592 mL
	<b>10 mM</b>	0.1530 mL	0.7648 mL	1.5296 mL

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

### Biological Activity

Shortsummary

can be conjugated with reactive groups such as NHS esters, carboxy groups (after carbodiimide activation), and epoxides.

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1. Qin Jiang, Zimiao Luo, et al. "Red blood cell membrane-camouflaged melanin nanoparticles for enhanced photothermal therapy." Biomaterials. S0142-9612(17)30483-0.

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**

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