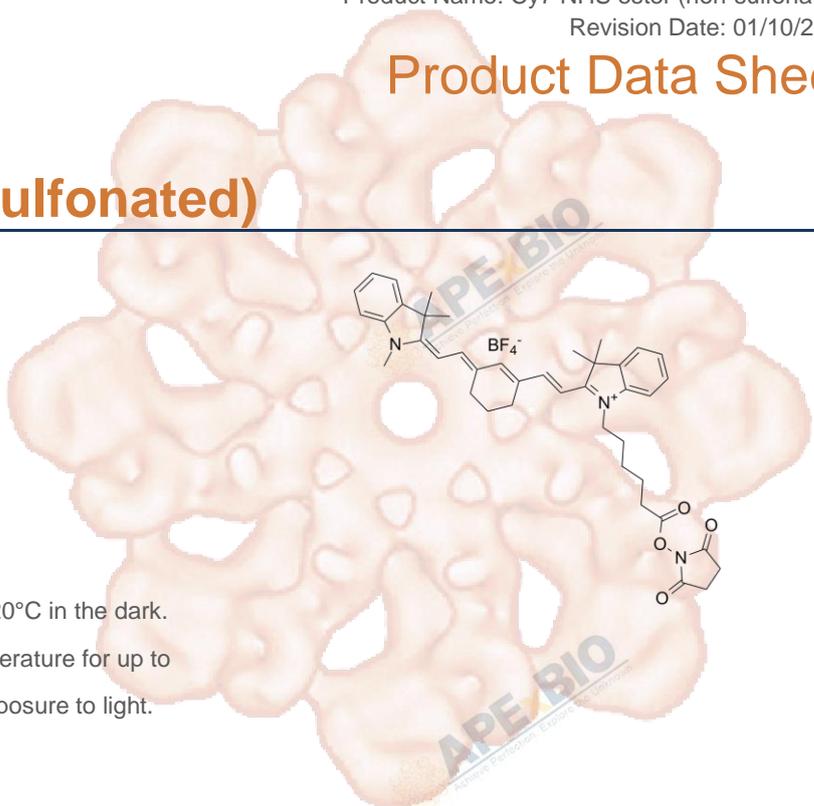


# Product Data Sheet

## Cy7 NHS ester (non-sulfonated)

**Cat. No.:** A8104  
**CAS No.:** 1432019-64-1  
**Formula:** C<sub>41</sub>H<sub>48</sub>BF<sub>4</sub>N<sub>3</sub>O<sub>4</sub>  
**M.Wt:** 733.64  
**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

≥34.1 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		1.3631 mL	6.8153 mL	13.6307 mL
	5 mM		0.2726 mL	1.3631 mL	2.7261 mL
	10 mM		0.1363 mL	0.6815 mL	1.3631 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. Liang X, Li X, et al. "Nanoparticles with CD44 Targeting and ROS Triggering Properties as Effective inVivo Antigen Delivery System." Mol Pharm. 2018 Feb 5;15(2):508-518.PMID:29323913

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. 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.*

**APExBIO Technology**

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